

FILE NOTATIONS

Entered in NED File
 Location Map Plotted
 and Indexed

Checked by Chief
 Approval Letter
 Disapproval Letter

RMR
1-15-73

COMPLETION DATA:

Date Well Completed *8-28-73*

Location Inspected

✓ WW..... TA.....

Bond released

..... OS..... EA.....

State or Fee Land

LOGS FILED

Driller's Log.....*✓*

Geologic Log (No.) *✓*

..... T..... B..... GRN..... Micro.....

PHC Spade GR..... Int..... M-L..... Sonic.....

CBLog..... CLog..... Others.....

WELL NO. CHRISTMAN BLANN 1-31B4
API NO. 43-013-30198
SEC. 31, T. 02S, R. 04W
DUCHESNE COUNTY, UTAH

NOTES FROM COVER ON OLD WELL FILE:

EFFECTIVE 10-15-73 LEASE TRANSFERRED FROM MCCULLOCH OIL TO HUSKY OIL.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

CHRISTMAN-BLAND

9. Well No.

#1-31

10. Field and Pool, or Wildcat

Altamont Development

11. Sec., T., R., M., or Blk.
and Survey or Area

Sec. 31, T. 2 S., R. 4 W.,

12. County or Parrish 13. State

Duchesne Utah

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil Well ☒Gas Well ☐

Other

Single Zone ☒Multiple Zone ☐

2. Name of Operator

McCulloch Oil Corporation

3. Address of Operator

140 West 2100 South, Suite 120, Salt Lake City, Utah, 84115

4. Location of Well (Report location clearly and in accordance with any State requirements.*)

At surface

1257' FNL & 1552' FEL, SE NW NE Section 31

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drlg. line, if any)

1257'

16. No. of acres in lease

17. No. of acres assigned
to this well

640

18. Distance from proposed location*
to nearest well, drilling, completed,
or applied for, on this lease, ft.

None

19. Proposed depth

12,400'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

6091' GL

22. Approx. date work will start*

February, 1973

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17 1/2"	13 3/8"	48#	300'	375 cu ft
12 1/4"	9 5/8"	40#	5000'	785 cu ft
8 3/4"	7"	26#	10,000'	450 cu ft
6 1/8"	4 1/2"	13.5#	12,400'	255 cu ft

1. Well to be drilled and casing cemented as proposed above

2. Mud Program

0'-8100'± Water

8100'-12,400' 8.3 to 15#/gal. as necessary to control hole.

3. Blowout Preventer Program

a. 13 3/8" casing - 12" - 3000 psi Hydril

b. 9 5/8" casing - 10" - 5000 psi Single Gate

10" - 5000 psi Double Gate

10" - 5000 psi Hydril

c. 7" casing - same as 9 5/8" casing.

4. Blowout Control Equipment

a. Degasser

b. 5000 psi Choke Manifold with Gas Buster (over)

PLEASE HOLD INFORMATION
CONFIDENTIAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

W. W. Lupton

Title District Manager

Date 1/23/73

(This space for Federal or State office use)

Permit No.

43-013-30198

Approval Date

Approved by

Title

Date

Conditions of approval, if any:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

4. Blowout Control Equipment (Continued)

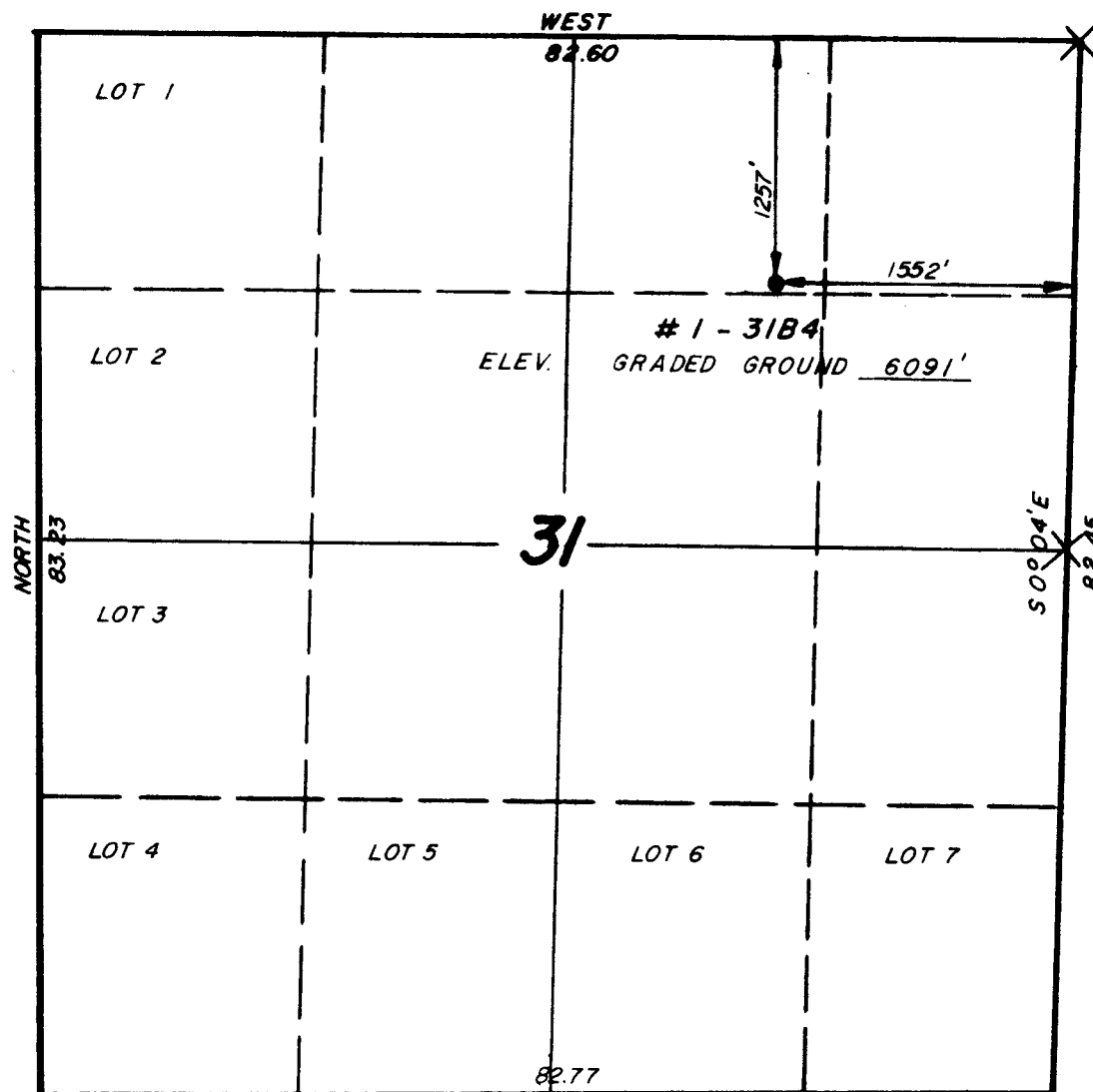
- c. Flowline Sensor
- d. Pit volume totalizer and warning device
- e. Inside blowout preventer
- f. Trip tanks

T2S, R4W, U.S.M.

PROJECT

MCCULLOCH OIL CORP.

WELL LOCATION, #1-31B4, LOCATED AS
SHOWN IN THE NE 1/4 SECTION 31, T2S,
R4W, U. S. M., DUCHESNE COUNTY, UTAH



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF

Nelson J. Randall
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

REVISED 15 DEC.72

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

X = STONE CORNERS LOCATED & USED

SCALE 1" = 1000'	DATE 24 OCT 1972
PARTY N. M., L. N.	REFERENCES G. L. O. PLAT
WEATHER SNOW	FILE M. O.

January 25, 1973

McCulloch Oil Corporation
140 West 2100 South
Suite 120
Salt Lake City, Utah

Re: Well No. Christman-Bland #1-31
Sec. 31, T. 2 S, R. 4 W,
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 139-3/139-4, dated June 24, 1971.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation with regard to the above will be greatly appreciated.

The API number assigned to this well is 43-013-30198.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. #163.319.002
2. NAME OF OPERATOR McCulloch Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 140 West 2100 South, Salt Lake City, Utah		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1257' FNL & 1552' FEL, SE NW NE, Sec. 31		8. FARM OR LEASE NAME CHRISTMAN-BLAND
14. PERMIT NO. 43-013-30198		9. WELL NO. #1-31
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6091' GL		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31, T. 2 S., R. 4 W.
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

REPORT FOR THE MONTH OF FEBRUARY, 1973

CONFIDENTIAL

Feb. 6: Depth: 230' (230') Spud Well 12:00 p.m. 2/5/73. Repairing swivel. Mud: 8.4, 60, NC.

Feb. 7: Depth: 300' (70') Nippling up. Ran 9 joints H-40, 48# 13 3/8" casing. Set @ 299'. Cemented with 450 sacks Class "G" with 2% CaCl. Cement circulated.

Feb. 8: Depth: 300' (0') Testing BOP

Feb. 9: Drilling @ 1155' (855') Sand, Shale. Mud: Water

Feb. 10: Drilling @ 1380' (225') Shale, Sand. Mud: Water. Dev. 3/4" @ 1190'.

Feb. 11: Drilling @ 1960' (580') Shale, Sand. Mud: Water

Feb. 12: Fishing @ 2428' (468') Sand, Shale. Mud: Water. Twist drill pipe off one joint above drill collar. Left 18 DC, 1-12 1/4" stabilizer and 1-12 1/4" near bit reamer in hole. Going in hole with overshot.

Feb. 13: Trip @ 2674' (246') Sand, Shale. Mud: Water. GIH with 9 5/8" overshot with 7 7/8" grapple. Recovered Fish.

Feb. 14: Drilling @ 2917' (243') Sand, Shale. Mud: Water.

Feb. 15: Drilling @ 3400' (483') Sand, Shale. Mud: Water

Feb. 16: Drilling @ 3870' (470') Sand, Shale. Mud: Water

Feb. 17: Drilling @ 4430' (560') Sand, Shale. Mud: Water

Feb. 18: Depth: 4560' (130') Sand, Shale. Mud: Water. Ran Multi-shot 300'-4430'. Rig up to run 9 5/8" casing.

Feb. 19: Depth: 4560' (0') Ran 109 joints 9 5/8" casing, 40#, K-55, ST&C. Set @ 4519'

18. I hereby certify that the foregoing is true and correct

SIGNED Bob Alef

TITLE District Manager

DATE MAR 1 1973

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. NAME OF OPERATOR McCulloch Oil Corporation 3. ADDRESS OF OPERATOR 140 West 2100 South, Salt Lake City, Utah, 84115 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		5. LEASE DESIGNATION AND SERIAL NO. #163.319.002 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME CHRISTMAN-BLAND 9. WELL NO. #1-31 10. FIELD AND POOL, OR WILDCAT Altamont 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 12. COUNTY OR PARISH 18. STATE
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

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NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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FEBRUARY REPORT CONTINUED

Feb. 19: Cemented with 500 sacks 50/50 POZ, 8% gel, 1/4# flocele/sack. Followed with 300 sacks Class "G", 1/4# flocele/sack. Plug down @ 7 p.m. 2/18/73. 100% circulation.

Feb. 20: Depth: 4560' (0') Nippling up BOP, ran temperature survey, top of cement @ 2300'.

Feb. 21: Depth: 4560' (0') Nippled up and picking up 6 3/4" drill collars.

Feb. 22: Depth: 4560' (0') Waiting on gas buster and pit repair.

Feb. 23: Depth: 4560' (0') Nippled up gas buster and choke manifold. Installed kill line and repairing accumulator unit.

Feb. 24: Depth: 4560' (0') Preparing to drill out from under 9 5/8" casing.

Feb. 25: Drilling @ 5140' (580') Silt, Sand. Mud: Water

Feb. 26: Drilling @ 5564' (424') Silt, Sand. Mud: Water

Feb. 27: Drilling @ 5955' (391') Sand, Shale. Mud: Water

Feb. 28: Trip @ 6418' (463') Sand, Shale. Mud: Water

18. I hereby certify that the foregoing is true and correct

SIGNED Bob Alexander

TITLE District Manager

DATE MAR 1 1973

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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14. PERMIT NO.		9. WELL NO. #1-31	
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		10. FIELD AND POOL, OR WILDCAT 	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 	
		12. COUNTY OR PARISH	
		18. STATE	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

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17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

REPORT FOR MARCH, 1973 - Continued

March 27: Drilling @ 10,450' (54') Sand, Shale, Lime. Mud: 11.2, 49, 4.8. Background gas 200, Connection gas 550, Trip gas 5250. At 10,436', Background gas 4000-1500 units. Raising wt. to 11.7.

March 28: Drilling @ 10,567' (117') Sand, Shale, Lime. Mud: 12.3, 58, 5.6. Background gas 160, Connection gas 300.

March 29: Drilling @ 10,671' (104') Sand, Shale. Mud: 12.2, 55, 4.8. Background gas 150, Connection gas 1000. Slight show @ 10,642'-48'. Trace of porosity with dull fluorescence. No gas increase. Drilling break @ 10,662'-70', sample not up. No mud loss.

March 30: Drilling @ 10,773' (102') Shale, Sand, Lime. Mud: 13.1, 48, 4.4. Background gas 100, Connection gas 110. Show @ 10,662'-670' - 8' sand with light brown stain, blue fluorescence and fair cut. Gas 4100 units. Drilling break, 10-12 min/ft. to 4-7 min/ft.

March 31: Drilling @ 10,882' (109') Sand, Shale. Mud: 13.4, 54, 4.8. Background gas 90, Connection gas 110. Show @ 10,806'-10,810', drilling break 12 min/ft to 6 min/ft. Sand, light brown stain, slight cut, 140 unit increase. Lost 12 barrels mud @ 10,860'-70'.

18. I hereby certify that the foregoing is true and correct

SIGNED B. G. Alexander

TITLE District Manager

DATE April 11, 1973

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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REPORT FOR THE MONTH OF MARCH, 1973

"CONFIDENTIAL"

March 1: Drilling @ 6845' (427') Sand, Shale. Mud: Water
 March 2: Drilling @ 7425' (580') Sand, Shale. Mud: Water. Dev. 2⁰ @ 7403'.
 March 3: Drilling @ 7575' (90') Sand, Shale. Mud: Water
 March 4: Drilling @ 7947' (432') Sand, Shale. Mud: Water. Background gas 1600, Connection gas 2500.
 March 5: Trip @ 7947' (0') Sand, Shale. Mud: Water. Repairing mud pits.
 March 6: Drilling @ 8405' (485') Dolomite, Shale. Mud: Water. Background gas 2000, Trip gas 12,000. Oil show @ 6900', oil on pits @ 7000'.
 March 7: Drilling @ 8888' (438') Sand, Dolomite, Lime. Mud: Water. Background gas 2500, Connection gas 4750.
 March 8: Drilling @ 8956' (68') Shale, Dolomite, Lime. Mud: Water. Preparing to mud up. Background gas 2000, Connection gas 2400, Trip gas 8500. Show @ 8861'-65' Lime, good cut, open frac.
 March 9: Drilling @ 9236' (280') Dolomite, Lime, Shale. Mud: 9.0, 37, 13.6. Background gas 3000, Connection gas 5500. Slowly lost 60 barrels while mudding up. POH to check for hole in drill string because of pressure loss.
 March 10: Drilling @ 9362' (126') Shale, Lime, Dolomite, Sand. Mud: 9.4, 36, 8.4. Trip out of hole to change washed out shock sub. Washed 375' to bottom. Lost 12 barrels mud on trip. Background gas 1100, Connection gas 3300, Trip gas 6000.
 March 11: Trip @ 9551' (189') Shale, Lime, Dolomite. Mud: 9.8, 38, 8. Background gas 1850, Connection gas 2800.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE District Manager

DATE April 11, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
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REPORT FOR MARCH, 1973 - Continued

March 12: Drilling @ 9627' (76') Lime, Shale. Mud: 10.1, 49, 6.4. Wasatch Trans. @ 9603'. Lost 20 barrels. Background gas 1800, Connection gas 2500. Trip gas 10,000. Mud: in-10.1, out-10.0.

March 13: Drilling @ 9793' (166') Lime, Shale, Pyrite. Mud: 10, 47, 5.6. Background gas 1500, Connection gas 3200.

March 14: Depth: 10,000' (207') Lime, Shale. Mud: 10.1, 60, 5.6. Drilling break @ 9991'-10,000'. 3 min/ft. Background gas 1700-2100, Connection gas 2700, DT 3300 (30 minutes). At 9896'-9902' increase in gas - 2100-4200 units.

March 15: Depth: 10,062' (62') Lime, Sand. Mud: 10.7, 72, 4.4. Background gas 1200, Connection gas 1600, Trip gas 10,000. Conditioning mud to run logs.

March 16: Depth: 10,062' (0') Circulating and raising mud wt. @ 10,062'. Mad a short trip before logging. Mud cut 1/2# after trip (10.2 in, 9.6 out). Background gas 1200, Trip gas 2800. Circulated and raised mud wt. to 10.4 in, 10.4 out. Background gas 1100. POH for logs. Dual Induction stopped at 8620'. Pulled tool out, had a LCM ball on it. Cleaned tool and re-ran it. Pressure buildup on lub. to 175#. Rig down loggers and GIH with dp and bit. Gained 57 barrels mud. GIH, circulating out gas, now raising mud wt. to 10.6 in, 10.0 out.

March 17: Logging @ 10,062'. Logger Depth: 10,046'. Ran Dual-Induction and Sonic. Had trouble with Sonic, now re-running. Mud: 10.8 in, 10.6 out, 78, 7.8. Background gas 550. Lost 24 barrels mud while logging, 12 barrels on trip.

18. I hereby certify that the foregoing is true and correct

SIGNED B. G. Alexander

TITLE District Manager

DATE April 11, 1973

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

SUNDRY NOTICES AND REPORTS ON WELLS(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. #163.319.002	
2. NAME OF OPERATOR McCulloch Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 140 West 2100 South, Salt Lake City, Utah 84115		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME CHRISTMAN-BLAND	
14. PERMIT NO.		9. WELL NO. #1-31	
15. ELEVATIONS (Show whether DF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
		12. COUNTY OR PARISH	13. STATE

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data****NOTICE OF INTENTION TO:**TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐**SUBSEQUENT REPORT OF:**WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*REPORT FOR MARCH, 1973 - Continued

March 18: Circulating and conditioning hole to run 7" casing @ 10,062'. Through logging @ 10:00 p.m. 3/17/73. Ran Sonic and DHC. clean up trip to run 7". Background gas 3200, Trip gas 12,000. Mud: 10.8, 68, 5.8.

March 19: Depth: 10,062' (0') Layed down 4 1/2" drill pipe and drill collars. Now running 7" casing. Mud: 10.8, 68, 5.

March 20: WOC @ 10,062'. Ran 236 joints 7", 23#, 26#, N-80. Set @ 10,052'. Cemented with 265 sacks Halco Lite, 1/4# flocele/sack. Followed with 200 sacks Class "G", 1/4# flocele/sack, .3% HR-4. Plug down at 4:24 p.m. 3/19/73. Full returns during job.

March 21: WOC @ 10,062'. Ran Temperature Survey. Found top of cement @ 6900'. Nipple up and test BOP to 5000#. Preparing to pick up 3 1/2" drill pipe.

March 22: Depth: 10,062' (0') Circulating. Build mud volume @ 10,062'. Pick up 4 1/2" drill collars and 3 1/2" drill pipe. Drill cement from 10,007'-10,052'.

March 23: Drilling @ 10,120' (58') Sand, Lime, Shale. Mud: 11.1, 45, 4. Background gas 180, Connection gas 200.

March 24: Drilling @ 10,222' (102') Sand, Shale. Mud: 11.1, 50, 4.8. Background gas 80, Connection gas 100.

March 25: Drilling @ 10,314' (92') Sand, Shale. Mud: 11.0, 45, 4.8. Background gas 80, Connection gas 140.

March 26: Drilling @ 10,396' (82') Shale, Lime. Mud: 11.1, 47, 5.2. Background gas 50, Connection gas 110.

18. I hereby certify that the foregoing is true and correct

SIGNED B. G. AlexanderTITLE District ManagerDATE April 11, 1973

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APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals.)

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14. PERMIT NO. 43-013-30198		9. WELL NO. #1-31	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6091' GL		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 31, T. 2 S., R. 4 W.	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETE

☐

SHOOT OR ACIDIZE

☐

ABANDON*

☐

REPAIR WELL

☐

CHANGE PLANS

☐

(Other)

☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

☐

ABANDONMENT*

☐

(Other)

☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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REPORT FOR THE MONTH OF APRIL, 1973

"CONFIDENTIAL"

- April 1: Drilling @ 10,987' (105') Sand, Shale, Lime. Mud: 13.4, 46, 4.8. Background gas 100, Connection gas 550. Show @ 10,880'-84', sand, light brown stain, dull yellow, fluorescence, fair cut. Gas increase 750 units. Drilling time broke 12-14 min./ft. to 7 min./ft.
- April 2: Depth: 11,007' (20') Shale, Sand. Mud: 13.8, 48, 4.8. Background gas 80, Connection gas 190, Trip gas 450. Lost 50 barrels on trip. Circulaintg and conditioning mud at present.
- April 3: Drilling @ 11,194' (187') Sand, Shale, Siltstone. Mud: 13.8, 42, 4.8. Background gas 60, Connection gas 130. Show @ 11,110'-18', siltstone, yellow fluorescence trace cut, 30 unit increase, slight drilling break of 8 min./ft. to 7 min./ft. Show @ 11,130'-38', siltstone, 20 unit increase, yellow fluorescence, good cut, no drilling break.
- April 4: Depth: 11,335' (141') Sand, Shale, Lime. Mud: 14, 65, 5. POH to 7" casing to repair swival. Lost 182 barrels mud last 24 hours. Background gas 70, Connection gas 300, DT 1850 (1 3/4 hours)
- April 5: Drilling @ 11,542' (207') Sand, Shale. Mud: 14, 45, 5.6. Show @ 11,364'-372', 240 unit gas kick. At 11,468'-474', 100 units. At 11,486'-490', 150 units. At 11,508'-516', 410 units. Sandstone-each kick. Background gas 80, Connection gas 200.

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SIGNED



TITLE

District Manager

DATE



(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.)</p>
<p>12. COUNTY OR PARISH</p>	
<p>13. STATE</p>	

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NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

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APRIL, 1973, REPORT CONTINUED

April 6: Depth: 11,718' (176') Mud: 14.3, 47, 5.2. Circulating LCM pill to bottom. 3/10# mud cut with show @ 11,652'. Increase mud wt. 3/10# over 6 hours. Lost 18 barrels mud in 25 minutes @ 11,712'-18'. Mixed pill, lost 87 barrels displacing pill. Lost complete returns. Mixed pill #2, lost 30 barrels displacing pill. Gas show was @ 11,652'-64', siltstone and sand. 240 unit kick. Background gas before show was 70, after show 310. Drilling in shale, lime, sand and siltstone.

April 7: Drilling @ 11,764' (46') Sand, Shale, Lime. Mud: 14.2, 43, 5.6. POH to casing shoe, cleaned pits and pumps. Circulated back to bottom, lost 40 barrels mud. Drilled 6 1/2 hours with complete returns. Background gas 120, Connection gas 1000, Trip gas 4500.

April 8: Drilling @ 11,879' (115') Shale, Lime. Mud: 14.2, 47, 6. Gas kick @ 11,837', 16 barrel increase in 10 minutes. Closed well in, DP 125 p̄si, CP 200 psi. Mud: 13.9 in, 13.4 out. Background gas 150 up to 1200 units. Circulated 14.4 mud, killed well. Levelled mud out at 14.2, Background gas 150, Connection gas 600.

April 9: Drilling @ 11,931' (52') Shale, sand, lime. Mud: 14.4, 47, 6.0. Mud wt. cut from 14.2 to 13.0#/gal @ 11,890'. Circulated on choke for 4 hours. Raised mud wt. to 14.4. Background gas 90, Connection gas 420. Top North Horn Trans.-11,910'.

April 10: Depth: 11,951' (20') Shale, sand. Mud: 14.4, 48, 6.0. Stopped at shoe going in hole and broke circulation. Tripped in bridge at 10,128'. Lost complete returns (100 barrels) PU in casing and started mixing mud. Background gas 125,

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SIGNED B. G. Alexander

TITLE District Manager

DATE 4/10/73

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TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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		12. COUNTY OR PARISH 13. STATE

16.

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NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

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PULL OR ALTER CASING

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MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

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FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

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ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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APRIL, 1973, REPORT CONTINUED

April 10: Connection gas 850. Show @ 11,926'-928', dull fluorescence.

April 11: Depth: 11,951' (0') Mud: 14.4, 45, 6.2. Circulated and mixed volume with 21#/barrel of gilsonite, 12#/barrel LCM. Pumped down pill at 10,128'. Lost 134 barrels with no returns. POH to 5409', circulated with 14.4# mud, lost 49 barrels before full returns. Building mud volume at present. Total mud lost - 200 barrels - 24 hours.

April 12: Drilling @ 11,990' (39') Shale, Lime. Mud: 14.5, 58, 8. Circulated and conditioned mud @ 5409'. Went in hole with 10 stands and broke circulation. Cleaned out and reamed @ 10,128'-340'. Washed @ 11,890'-951'. Drilled from 11,951'-990' in 9 1/2 hours. Lost 205 barrels mud. No mud lost during drilling operations in last 9 1/2 hours. Background gas 300, Connection gas 450, Trip gas 8000.

April 13: Depth: 12,025' (35') Sand, Lime, Shale. Mud: 14.6, 55, 7.2. Circulating to log.

April 14: Total Depth: 12,025' Sand, Shale. Mud: 14.5, 55, 7.2. Ran DIL, CNL from 12,000' to 10,052'. Running BHC-Sonic this a.m. Logging TD 12,000'

April 15: Total Depth: 12,025' Sand, Shale. Mud: 14.5, 55, 6.8. Line swarmed on Sonic Log run. Made trip in hole to condition mud. Circulated bottoms up, 9000 units gas with 2#/gal. cut. Lost 40 barrels on trip. Preparing to POH to run Sonic.

April 16: Ran Sonic Log, picked up 4 1/2" liner. Now running liner in hole with 3 1/2" drill pipe. Mud: 14.5, 55, 6.8.

18. I hereby certify that the foregoing is true and correct

SIGNED B. G. Alexander

TITLE District Manager

DATE MAY 1 1973

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APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
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		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

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APRIL, 1973, REPORT CONTINUED

April 17: Total Depth: 12,025'. Ran 54 joints 4 1/2", 13.5#, P-110, FL4S liner. Set liner @ 12,024'. Top of hanger @ 9738'. Float collar @ 11,978'. Cemented with 621 sacks 50/50 POZ, 1/4# flocele/sack, 1.25% D-8R, mixed with 15.1#/gal. Slurry volume 118 barrels. Good circulation throughout job with back flow when drill pipe was pulled out of liner. Job complete 11:55 p.m. 4/16/73.

April 18: Found top cement @ 7600'. 2138' of cement on top of liner. Drilled 7600'-8752' (1152'). Mud: 14.5, 48, 8.

April 19: Drilled out cement to 9384', top of liner. Tested with 900 psi on top of 14.5# mud for 15 minutes. OK. Layed down drill pipe. Preparing to run Baker Bridge plug.

April 20: Ran bridge plug and set @ 2455'. Rig released 12:00 midnight 4/19/73.

April 21: Moving out Rotary

April 22: Moving out Rotary

April 23: Moving out Rotary

April 24: Rigging up workover rig

April 25: Rigging up workover rig

April 26: Rigged up workover unit, pressure tested BOP stack to 5000 psi. Preparing to pick up tubing.

April 27: Recovered Baker bridge plug @ 2545'. GIH with 3 3/4" bit to top of liner @ 9536'. Shut down for night.

18. I hereby certify that the foregoing is true and correct

SIGNED B. G. AlexanderTITLE District ManagerDATE APR 27 1973

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
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		12. COUNTY OR PARISH 13. STATE

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NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
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APRIL, 1973, REPORT CONTINUED

April 28: PBTD: 11,954'. Tested liner top to 600 psi with 14.4#/gal. mud. Test OK. Drilled 27' cement. Cleaned out to 11,954'. Displaced hole with 9.7#/gal. treated brine water. POH with tubing.

April 29: Shut in 12 hours. Well pressured up to 1400 psi. Circulated @ 2340' with brine water. Well died. Closed rams, pressure to 2850 psi. Bled off to 2200 psi in 5 minutes. Could not pump into leak. POH with drill pipe. Ran GR log from 11,966'-9500' (flat to GR-Sonic). Attempted to run Model "D" Packer. Could not get down because of LCM floating. Ran junk basket to 5000' to clean out LCM.

April 30: Ran 7" casing scraper with 2 7/8" tubing to 4998'. Circulated out some gas with LCM. Ran 20 stands, circulated 2 hours @ 6240'. Recovered LCM and some gas. Shut down for night.

18. I hereby certify that the foregoing is true and correct

SIGNED B. G. Alexander

TITLE District Manager

DATE May 1, 1973

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6091' GL		

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FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

REPORT FOR THE MONTH OF MAY, 1973

"CONFIDENTIAL"

- May 1: GIH with 53 stands, 2 7/8" tubing to 9638' (100' inside 4 1/2" liner). Circulated every 1000' with brine water. Cleaned out LCM and some mud with gas. Tested top of liner to 3000 psi. Slight pressure loss to 2200 psi in 5 minutes, then pressure stabilized. Could not pump into liner top. POH with 2 7/8" tubing. Preparing to set model "D" packer.
- May 2: POH with casing scraper and 5 joints 2 7/8" drill pipe and 131 stands 2 7/8" tubing. Rigged up Go International, ran junk basket to top of liner at 9738'. Ran 7" Baker Model "D" Packer with expendable plug and flapper valve to 9738'. Picked up 1' and set. Rigged down Go International. Rigged up Hydrotest, picked up 30' of Baker production tube and double seal assembly and ON-OFF tool with 2.313 I.D. profile nipple. Ran 75 stands 2 7/8" tubing, 8 Rd, 6.5#, ABC Model couplings, tested to 10,000#. Shut down for night.
- May 3: Ran 310 joints 2 7/8" tubing, spaced out with 10' and 6' pup joint. Landed tubing and pulled 20,000#, then set in neutral position. Ran 152 joints 1 1/2" heat string, circulated annulus with fresh water, then with diesel. Pulled 4 joints, left 148 joints in hole (4857'). Set Tree and tested to 5000 psi. Perforated from 11,953'-10,805'. Shot 8 holes. SITP 1350 psi. Started to pit at 6:30, making water with gas.
- May 4: Flowed well 24 hours to reserve pit. Well flowing oil, gas and mud by heads. Going to continue to clean up well to reserve pit before putting into battery for test.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]

TITLE District Manager

DATE MAY 1 1973

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER 2. NAME OF OPERATOR McCulloch Oil Corporation 3. ADDRESS OF OPERATOR 140 West 2100 South, Salt Lake City, Utah 84115 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		5. LEASE DESIGNATION AND SERIAL NO. #163.319.002 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME CHRISTMAN-BLAND #1-31 9. WELL NO. 10. FIELD AND POOL, OR WILDCAT Altamont 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 31, T. 2 S., R. 4 W. 12. COUNTY OR PARISH 18. STATE
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	13. COUNTY OR PARISH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

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MAY, 1973 REPORT CONTINUED

May 5: Flowed to reserve pit 24 hours on 3/4" choke. FTP 50-200 psi. Well making oil, gas and mud. Showing improvement in cleaning up last 8 hours.

May 6: Flowed well 12 hours to reserve pit and 12 hours to battery. Produced 119.2 barrels oil in 12 hours, 390 MCF gas. GOR: 1638:1. Last 2 hours on 16/64" choke. FTP 250-400 psi. Well made 39.2 BO.

May 7: Flowed well 24 hours on 16/64" choke, and 20/64" choke. FTP 0-550 psi. Produced 124 BO, 226 MCF gas. GOR: 911:1 Preparing to acidize.

May 8: Acidized with 30,000 gallons 15% HCL, containing FR, NE agent, iron sequestering agent, 30 ball sealers, 400# unibeads. Broke down @ 8600 psi @ 12 BPM. Formation broke to 8300 psi @ 13 BPM. Acid on formation pressure broke to 7700 psi @ 15 BPM. 1st balls hit perfs, pressure increased from 8200 psi to 8400 psi and broke to 8300 psi. 2nd balls hit pressure increased 8700 psi to 8900 psi, then broke to 8700 psi. Average injection rate, 15 BPM, Maximum pressure 9100 psi. ISIP 3900 psi, 10 minutes shut in, 3600 psi. Start flowing well to pit @ 2:00 p.m. Flowed 18 hours to pit on various chokes. Making acid water with some oil and gas.

May 9: Flowed to reserve pit, producing acid water and gas. Shut in 1 1/2 hours, build up to 300 psi. Shut in for 4 1/2 hours, build up to 1500 psi.

May 10: Flowed well to reserve pit. FTP 350 psi. Flowing water and mud.

May 11: Flowing to pit on 12/64" choke. FTP 350 psi. Flowing oil and mud.

May 12: Shut in 12 hours. SITP 1300 psi. Opened to pit on 3/4" choke. FTP 0 psi, 10 minutes. Produced some oil and gas with load water and slugs of mud. Water analysis showed

18. I hereby certify that the foregoing is true and correct

SIGNED B. G. Alexander TITLE District Manager DATE 10/10/73

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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2. NAME OF OPERATOR McCulloch Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 140 West 2100 South, Salt Lake City, Utah 84115		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME CHRISTMAN-BLAND
14. PERMIT NO.		9. WELL NO. #1-31
15. ELEVATIONS (Show whether DF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., OR BLE. AND SURVEY OR AREA Sec. 31, T. 2 S., R. 4 W.
		12. COUNTY OR PARISH
		13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

FULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

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(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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MAY, 1973 REPORT CONTINUED

May 12: water to be acid water.

May 13: Continued to flow to pit, flowing by heads. Well died. Shut in 8 hours, SITP 875 psi. Will continue to clean up.

May 14: Flowed to pit to clean up 12 hours. SITP 1400 psi. (12 hours)

May 15: Flowed well 15 hours on 14/64" choke. FTP 250 psi. Produced 50 B0, Estimated 100 barrels mud and water, 77 MCF gas. GOR: 515:1

May 16: Flowed well 20 hours on 14/64" choke and 20/64" choke. FTP 700 psi. Produced 18.3 B0, 47.9 BW, 287 MCF gas. Shut in 4 hours, built to 700 psi.

May 17: Ran differential temperature base log, pumped 450 barrels 2% KCL water with 300 SCF N2/barrel. Ran temperature log, showed fluid entering zones 9850'-10,080' (80%), some fluid entering 10,130'-150', 10,200'-250', 10,690'-720' and 10,800' (small amount). No fluid movement below 10,900', logged to 11,200'. Could not get below 11,200'. Opened to pit on 10/64" choke, well died in 8 hours.

May 18: Shut in, preparing to move in workover rig to repair cement job.

May 19: SITP 1000 psi. Waiting on workover rig.

May 20: SITP 2500 psi. Moving rig on location

May 21: SITP 2300 psi. Rig on location

May 22: Rigged up Shebester, displaced heat string and annulus with salt water.

May 23: Finished rigging up workover rig. Stacked BOP. Pumped 100 barrels heated brine down tubing. Pulled heat string out. Shut down for night.

18. I hereby certify that the foregoing is true and correct

SIGNED B. G. Alexander

TITLE District Manager

DATE JUN 11 1973

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 31, T. 2 S., R. 4 W.	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.)	12. COUNTY OR PARISH	13. STATE

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NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
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MAY, 1973 REPORT CONTINUED

May 24: Unseat tubing from packer, circulated hole with 420 barrels 14.4#/gal. mud. POH with tubing. GIH with Baker Packer Picker, Bumper Sub, Jars, 2 - 4 1/2" drill collars, 10 stands of 2 7/8" tubing. Shut down over night.

May 25: Finished going in hole. Mill up Packer. POH with tubing, leaving packer in hole. Shut down over night.

May 26: Finished going in hole with packer-picker. Latched into packer. POH with tubing and packer.

May 27: Ran Baker cement retainer (wireline). Stuck retainer @ 9810' in 4 1/2" liner. Pulled out of rope socket. Recovered all electric cable. GIH with 1 7/8" overshot, 4 joints 2 3/8" tubing, jars, bumper sub, 2 7/8" tubing. Latched onto fish @ 9810'. POH with collar locator and setting tool. Left setting tool sleeve in hole on top of retainer.

May 28: Picked up 3 joints 2 3/8" tubing, 163 stands 2 7/8" tubing and ran to top of fish. Circulated 3 1/2 hours (reverse). Circulated out several pieces of iron and rubber. POH with tubing. GIH with Bowen spear, jars, bumper sub and 2 7/8" tubing. Unable to catch fish. POH with tubing.

May 29: Finished out of hole with tubing. GIH with 3 3/4" mill, 2 - 3 1/2" junk baskets and 2 7/8" tubing. Milled up junk and retainer @ 9810'. Circulated hole 4 1/2 hours. POH with mill.

18. I hereby certify that the foregoing is true and correct

SIGNED B. G. Alexander

TITLE District Manager

DATE MAY 7 1973

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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14. PERMIT NO.		9. WELL NO. #1-31
15. ELEVATIONS (Show whether DF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 31, T. 2 S., R. 4 W.
		12. COUNTY OR PARISH
		13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
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MAY, 1973 REPORT CONTINUED

May 30: POH with 3 3/4" mill and 2 7/8" tubing. Ran 3 5/8" gauge ring with wireline to 9870'. POH, ran Baker cement retainer on wireline and set @ 9850'. Ran Baker stinger, 5 joints 2 3/8" tubing and 2 7/8" tubing, set in retainer @ 9850'. Unable to circulate thru' perforations. Broke down @ 1/2 BPM @ 7800 psi, pumped into formation 4 BPM @ 3500 psi. Pumped total of 40 barrels. Preparing to POH to pick up ret. packer.

May 31: POH with 2 7/8" tubing. GIH with 7" Baker Retainer Packer and 2 7/8" tubing. Set Packer @ 9715'. Broke down top of liner with 8500 psi. Pump in @ 2 BPM @ 3000 psi. Moved packer to 9400'. Start pumping cement @ 1 BPM @ 2100 psi. Squeezed with 100 sacks 50/50 POZ with retarder and flocele. Squeezed to 3500 psi with 14.5#/gal. mud. No flow back. POH with packer and tubing.

18. I hereby certify that the foregoing is true and correct

SIGNED B. G. Alexander

TITLE District Manager

DATE May 31, 1973

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals.)

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2. NAME OF OPERATOR McCulloch Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 	
3. ADDRESS OF OPERATOR 2000 Classen Bldg., Suite 614-E., Oklahoma City, Okla. 73106		7. UNIT AGREEMENT NAME 	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1257' FNL & 1552' FEL, SE NW NE, Sec. 31		8. FARM OR LEASE NAME CHRISTMAN-BLAND	
14. PERMIT NO. 43-013-30198		9. WELL NO. #1-31	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6091' GL		10. FIELD AND POOL, OR WILDCAT Altamont	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 31, T. 2 S., R. 4 W.		12. COUNTY OR PARISH 13. STATE Duchesne Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>
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SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/>
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(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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REPORT FOR THE MONTH OF JUNE, 1973

"CONFIDENTIAL"

- June 1: GIH with bit. Tagged cement at 9532'. Drilled cement to 9738', top liner. Circulated 2½ hrs. Tested liner top to 1500 psi with 14.5#/gal. mud. After 30 mins., pressure 1500 psi. POH with 2-7/8" tubing and 6-1/8" bit.
- June 2: POH with 2-7/8" tubing and 6-1/8" bit. GIH with 3-3/4" mill, 2350' 2-7/8" SH drill pipe and 2-7/8" tubing to 9738'. Shut down overnight.
- June 3: Drilled cement from 9738-9750'. Drilled cement retainer at 9851'. Washed to 9912' unable to go any deeper. Shut down overnight.
- June 4: POH, mill was worn out. GIH with new mill to 9912' and drill to 9913' in 8 hrs. Shut down overnight.
- June 5: POH with tubing and drill pipe. GIH with 3-5/8" globe basket with plustrite btm., 2350' 2-7/8" SH drill pipe and 2-7/8" tubing. Cut over cement retainer from 9913-9916' in 8 hrs. Unable to go any deeper. Shut down overnight.
- June 6: POH with 2-7/8" tubing and 3-5/8" cut right globe basket. GIH with 3-3/4" tooth mill, 2350' of 2-7/8" drill pipe and 2-7/8" tubing and drilled from 9916-9920' in 8 hrs. Shut down overnight. Preparing to come out of hole.
- June 7: POH with tubing and mill. Junk basket full of pieces of steel, probably pieces of setting sleeve. GIH with tubing and mill, drilled from 9920-9924' in 4 hrs. Retainer fell loose. Drilled and pushed retainer from 9924-10,097' in 6 hrs. Preparing to POH with mill and junk basket.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE District Manager DATE July 26, 1973

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA 31, T. 2 S., R. 4 W.	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>
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SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/>
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JUNE, 1973, REPORT CONTINUED

- June 8: POH with mill and tubing. GIH with 3-3/4" bit, junk basket, 2350' drill pipe and 2-7/8" tubing. Washed through tight spot at 9920'. Drilled cement from 10,097-11,500' in 12 hrs. Bit wore out. Preparing to POH.
- June 9: POH with tubing and bit. GIH with tubing and new 3-3/4" bit. Cleaned out from 11,500-11,960'.
- June 10: Made short trip to liner top. GIH to bottom. Circulated hole for 2½ hrs. POH with 2-7/8" tubing and laid down 2350' of 2-7/8" SH drill pipe, 4-2 7/8" drill collars and 2-4 1/2" drill collars. Shut down overnight.
- June 11: Rigged up Wireline Company (Welex). Ran 7", 26#, Baker Model "D" packer with expendable plug. Set at 9730'. Ran 30' production tube, double seal assembly, ON-OFF tool, 2.313 profile nipple, 310 jts. 2-7/8" 6.5#, N-80, 8 rd tubing, 2-8", 1-6' tubing subs, test tubing to 10,000 psi. Displaced hole with 9.8#/gal. brine. Sting into Model "D" packer, pulled 20,000#, then set down on packer with 4000# weight. Shut down overnight.
- June 12: Ran 148 jts. 1-1/2" tubing. Displaced with fresh water, displaced fresh water with diesel. Hung 1-1/2" tubing. Nippled down BOP. Installed Xmas tree. Removed back pressure valve. SITP 2100 psi. Flowed to pit. TP 0 psi in 5 mins. Swabbed to 6500' with now show of oil or gas. Shut down overnight. This AM, SITP 400 psi. Bled well down, ran swab, fluid level at 4500' (2000' fill in 10 hrs.)

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE District Manager DATE July 26, 1973

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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2. NAME OF OPERATOR McCulloch Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 2000 Classen Bldg., Suite 614-E., Oklahoma City, Okla. 73106		7. UNIT AGREEMENT NAME
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14. PERMIT NO. 43-013-30198		9. WELL NO. #1-31
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6091' GL		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA 31, T. 2 S., R. 4 W.
		12. COUNTY OR PARISH Duchesne
		18. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

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PULL OR ALTER CASING

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☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
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(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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JUNE, 1973, REPORT CONTINUED

- June 13: Ran swab, fluid level 4500'. SITP 400 psi. Swabbed to 9000', fluid level would increase 1000' each hour. Producing 6 BPH of mud, water, trace oil and gas. Shut down for night. This AM, fluid level 3500' with SITP 200 psi.
- June 14: SITP 200 psi. Checked fluid level with swab at 3500'. Rigged up Nowsco tubing unit, started displacing well fluid at 7800'. Fluid was mud, water, trace of oil and gas. Run tubing to 9966', unable to get any deeper. POH with tubing, rigged down Nowsco. Shut in for night.
- June 15: Check tubing pressure. SITP 300 psi. Flowed well to reserve pit, produced estimate of 10 bbls. mud with 5 bbls. oil and trace water and gas. Well died in 1 hr. Ran 1-3/4" Bailer and Slick line to 9920'. Recovered small amount of oil and mud. Ran 2-1/8" impression block to 9920'. Impression block showed two gauges 1-1/4" apart. Shut in well 12 hrs. SITP 500 psi. Flowed to reserve pit, produced 5 BO with trace water and small amount of mud and gas. Well died in 45 mins.
- June 16: Picked up 2-7/8" flat bottom hammering tool, 10 jts. 1-5/8" drill pipe, set of 1-5/8" jars and bumper sub. Tagged up on iron in liner at 9925'. Moved down hole to 9940'. Picked up and iron followed tools up hole 100'. Knocked iron down hole to 9965'. Picked up, followed to 9950'. Pulled out of hole with tools. Shut in, waiting on 1-5/8" drill pipe.
- June 17: Picked up 2-1/8" Carbolog mill, bumper sub, 1-5/8" drill pipe, tagged fish at 9921'. Jarred on fish, pushed to 10,200'.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

District Manager

DATE

July 26, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

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JUNE, 1973, REPORT CONTINUED

June 18: Pushed fish 10,200-290', fish hung, jarred 2½ hrs. Unable to move fish. Pressured up to 3500 psi. Pumped 3½ bbls. fluid. Jarred on fish and pushed to 11,499'. Fish hung up. Pressured up to 4500 psi. Pumped 6 bbls. fluid into formation, jarred on fish and pushed 11,953'. Circulated for 4 hrs. Pulled out of hole and laying down 1-5/8" drill pipe.

June 19: Finished out of hole with 1-5/8" drill pipe, bumper sub and driving tool. Started swabbing at 11 Am, swabbed to 7500'. Swabbing 6 BFPH (fluid oil and gas cut mud). Swabbed 16 hrs. for total recovery of 96 BF, 30-40% oil. Lost swab and jars in tubing at 7500'. Ran overshot, jars and sinker bar. Ran on sand line to fish. Latched onto fish and pulled thru 6 collars. Fishing string parted. Pulled out of hole, left jars, overshot in hole. Ran overshot and jars on sand line and latched onto fish. Presently pulling fish.

June 20: Finished pulling out of hole with fish. Swabbed 11:00 AM to 3:00 PM (4 hrs.) from 7500 to 9700' and swabbing 500-600 ft/hr. Approx. 2-5 bbls. fluid per hr. 90% oil and 10% mud and water. Slight amount of gas. 3:00 PM to 7:00 PM, swabbing 1-1/2 bbls. fluid per hr. same. Shut in at 7:00 PM. After 12 hrs., shut in 500 psi. Opened to pit and bled to 0 psi in 5 mins.

June 21: Acidized (Dowell) with 20,000 gals. 15% HCl in four stages with 3 stages of balls and Unibeads. Had good ball action on each stage. Max. Press. 9000 psi, ISIP 3900 psi; 5 min. SI 3500 psi; 10 min. 3000 psi. AIR 16 BPM at 8100 psi. Flowed well to pit 12 hrs. Flowing by heads, producing oil (15-20%), acid water and small amount of gas.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

District Manager

DATE

July 26, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6091' GL		

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SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
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JUNE, 1973, REPORT CONTINUED

- June 22: Flowed to pit and died. Shut in 4 hrs. Tubing pressure 400 psi. Opened to pit and died in 5 mins., making only gas.
- June 23: Shut in 9 hrs. SITP 0 psi. Preparing to check for fill up and fluid level.
- June 24: Shut in 0 psi tubing. Rigged up Archer Reed, found fluid at 3700'; fill up at 9780'. Bailed to 9784'. Recovered water, mud and sand. Preparing to rig up Nowsco.
- June 25: Rigged up Nowsco. Going in hole to 9250' with tubing unit. PO to 8822', hung up. Had full returns. Tubing parted at surface. Preparing to rig up workover unit.
- June 26: Rigged up Colorado well service. Going in hole with 2-1/8" overshot with 3/4" grapple and 1 jts. of 1- / " tubing. Latched onto fish, pulled out of hole with 40' 3/4" Nowsco tubing and tubing parted. Made six trips, latched onto fish each time and 3/4" tubing parted each time. Total of 340' of 3/4" recovered.
- June 27: Preparing to fish Nowsco tubing. W.O. 1-5/8" DP 24 hrs.
- June 28: Fishing Nowsco tubing with 1-5/8" drill pipe and O.S. Retrieved 1300' of Nowsco tubing after several trips with overshot.
- June 29: Unable to get hold of fish. Shut down overnight. Waiting on bulldog overshot. Top of fish at 2053', recovered 1524' of fish.
- June 30: Going in hole with overshot, unable to get hold of fish. Trip in hole with flat bottom driving tool to wedge Nowsco tubing inside 2-7/8" tubing. Pulled out of hole. Rigged up preparing to pull 2-7/8" tubing.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE District Manager DATE July 26, 1973

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
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(Other) <input type="checkbox"/>	

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REPORT FOR THE MONTH OF JULY, 1973

"CONFIDENTIAL"

- July 1: Rigging up workover rig.
- July 2: Finished rigging up workover rig. Displaced heat string with brine. Rigged up BOP and Hydril. Test BOP 5000 psi, Hydril to 2000 psi.
- July 3: Finished laying down heat string. Pulled out of hole with 2-7/8" tubing. Pulled 33 stands. Found 3/4" tubing. Tied on to 3/4" tubing. Pulled free. Spooled 3/4" tubing.
- July 4: Spooled up 6000' 3/4" Nowsco tubing. Pulled out of hole with 2-7/8" tubing. Lacked 27 stands being out of hole when Nowsco tubing blew out of 2-7/8" tubing. Well died. Cleaned all oil from unit, wellhead and location. Laid down 33 jts. of 2-7/8" tubing.
- July 5: Finished laying down 2-7/8" tubing. Picked up Baker packer picker, two 4-1/2" drill collars and 158 stands of 2-7/8" tubing, ran to 9500'. Displacing hole with 14.5 mud.
- July 6: GIH with Baker packer picker. Start drilling on Baker Model "D" at 9738'. Drilled up packer, POH with 2-7/8" tubing and packer picker with Model "D" packer. GIH with 3-3/4" mill and 2-7/8" tubing with 2-7/8" SHDP. Circulated at 9800'.
- July 7: Finished going in hole with 3-3/4" mill. Stopped at 9920'. Milled for 4-1/2 hrs. Made 1" hole to 9921'. Trip for new mill. Ran 3-5/8" taper mill. Made 10' 9921-9931'.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles Waffner

TITLE Dist. Prod. Supt.

DATE 8-24-73

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TITLE _____

DATE _____

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STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
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REPORT FOR THE MONTH OF JULY, 1973 (Continued)

"CONFIDENTIAL"

- July 8: Drilled with 3-5/8" mill to 9934' (3'). Started trip for new mill, draw works motor down for repairs.
- July 9: Pulling out of hole to change mills. Milled from 9934-47' (13').
- July 10: Finished trip for 3-5/8" mill, mill 9950'. Made approx. 4". POH, ran 3-5/8" rack bit, made 4" hole. POH to run lead impression block.
- July 11: Ran 3-5/8" lead impression block to 9930'. Pulled out of hole and ran 1 jt. 3-1/2" wash pipe with 3-5/8" shoe and wire catchers. Cut and washed from 9930-9950', fell free. Ran to 11,438', unable to wash any further. Circu. bottoms up.
- July 12: Finished circu. out. Pulled out of hole with 1 jt. 3-1/2" wash pipe and 3-5/8" shoe. Left 8" shoe in hole. Going in hole with 3-5/8" flat bottom mill, drilled from 11,438' to 11,689'.
- July 13: Finished cleaning out from 11,689' to 11,964', circulated hole clean. Pulled out of hole with 2-7/8" tubing and 3-5/8" mill. Going in hole with 3-3/4" taper mill to 11,964', circulated hole for 4 hrs. Coming out of hole.
- July 14: Pulled out of hole with 2-7/8" tubing and 3-3/4" mill. Ran 3-1/2" casing inspection tool to 9900'. Unable to get below 9900'. Pulled out of hole, ran sinker bars, 1-3/8" OD to PBTD 11,961'. Pulled out of hole, ran 3-1/4" caliper tool to 9920'. Worked thru tight place. Ran tool to 11,961'. Logged casing from 11,961' to 9920'. Tool hung at 9920'. Tried to free caliper tool and pulled out of rope socket. Left

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SIGNED Charles Watkins

TITLE Dist. Prod. Supt.

DATE 8-24-73

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TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
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REPORT FOR THE MONTH OF JULY, 1973 (Continued)

"CONFIDENTIAL"

- July 14: (Continued) tool in hole. Picked up 3-1/8" OD overshoot, jar and bumper sub, 2-7/8" tubing. Ran tubing to 9920', felt tight place as overshoot went thru at 9920'.
- July 15: Finished going in hole with 3-1/8" overshoot to PBTD. Pulled out of hole with tubing and caliper logging tool. Going in hole with 3-7/8" tapered mill to 9740'. Could not get below 9740' with 3-7/8" mill. Pulled out of hole.
- July 16: Pulled out of hole with tubing, drill pipe and 3-7/8" mill. Layed down drill pipe. Waiting on Lynes Packers.
- July 17: Ran scab liner. Preparing to cement.
- July 18: Ran Baker shear plug retainer with 4-1/2" Baker lock-set packer. 951' 2-7/8", 6.5#, N-80 tubing, 5-3/8" OD x 2-1/2" ID Lynes Inflatable packer. Bottom packer set at 10,350'. Top packer at 9399'. Cemented with 45 sks. Class "G", .3% D13R thru cmt. parts at 10,348'. Close parts, set inflatable packer, release on and off tool and reverse out tubing. POH. Hydro tested tubing to 10,000 psi. Displaced hole with 9.8 treated brine. Space out and land 2-7/8" tubing. Now running 1-1/2" heat string.
- July 19: Swabbing gas cut mud from 8000'. Finished in hole with 148 jts. of 1-1/2" heat string tubing. Landed 1-1/2" tubing. Removed BOP and Hydril. Installed Cameron Xmas tree and tested to 5000 psi. Ran Archer-Reed wire line and sinker bar to 10,488', could not go deeper. Ran Hydrostatic bailer and bailed cement and mud from 10,488' to 10,492'. Last run with bailer recovered only gas cut mud. Began swabbing. Swabbed 60 BW & 50 bbls. of mud in 7 hrs. Fluid level at 7500'.

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SIGNED Charles Watkins

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14. PERMIT NO. 43-013-30198		9. WELL NO. #1-31
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6091' GL		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA 31, T 2 S, R 4 W
		12. COUNTY OR PARISH Duchense
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>
--	---

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/>
---	---

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

REPORT FOR THE MONTH OF JULY, 1973 (Continued)

"CONFIDENTIAL"

- July 20: Swabbing from 7500', 300' fluid per run. Mud slightly water and oil cut. Swabbed for 4 hrs. Pumped 30 bbls. water down tubing. Ran slick line to 8500'. Swabbed from 7500' after 3 hrs. Started making water, fluid level raised to 6500', then to 5400'. Swabbed approx. 80 bbls. Ran slick line to 11,527', stuck tool. Pulled line in to at surface. Running 3 prong grab on sand line, recovered 500' line.
- July 21: Fishing for slick line with sand line. Rec. 600' slick line. Stuck sand line at 900'. Pulled grab off at rope socket. Picked up 1" drill pipe and overshot, unable to catch fish. POH with 1" - removed tree. Preparing to pull 2-7/8" tubing.
- July 22: Pumped down 2-7/8" tubing with 9.9% brine to fill well. Pulled heat string. Removed Hydril to pull doughnut.
- July 23: Set Hydril. Pulled 2-7/8" tubing to fish, recovered all wire line and fish. Ran tubing back in hole, latched onto packer. Started in with 1-1/2" heat string.
- July 24: Finished running 1-1/2" heat string to 5000'. Installed Xmas tree, removed back pressure valve - 2100 psi SITP. Opened well to pit. Unloading water slightly oil cut. 16/64" choke, 100 psi FTP.
- July 25: 1" choke, FTP 0. Flowed to pit approx. 1/2" stream slightly oil cut water.
- July 26: Flowed to pit on 24/64" choke. 1/2" stream slightly oil cut water. Rigging up swabbing unit.
- July 27: Swabbed for 12 hrs. Fluid down to 5000'. Pull swab from 6800', 90-95% water.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles Watkins

TITLE Dist. Prod. Supt.

DATE 8-24-73

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. #163.319.002	
2. NAME OF OPERATOR McCulloch Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 2000 Classen Bldg., Suite 614-E, Oklahoma City, Okla. 73106		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1257' FNL & 1552' FEL, SE NW NE, Sec. 31		8. FARM OR LEASE NAME CHRISTMAN-BLAND	
14. PERMIT NO. 43-013-31098		9. WELL NO. 1-31	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6091' GL		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 31, T 2 S, R 4 W	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>
--	---

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/>
---	---

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

REPORT FOR THE MONTH OF JULY, 1973 (Continued)

"CONFIDENTIAL"

July 28: 12 hr. shut in tubing pressure 2300 psi. Opend to pit, dead in 15 mins. Swabbed for 12 hrs.

July 29: 12 hr. shut in tubing pressure 2500 psi. Opened to pit, dead in 15 mins. Swabbed from 7200'. Fluid stayed at 6000'. Swabbed approx. 150 bbls. - 90% wtr., 10% oil to pit.

July 30: Swabbed to pit 12 hrs. approx. 150 bbls., - 85% water, 15% oil. Flowed into tanks on 16/64" choke, 350 psi FTP. Made 16.2 BO, 2.1 BW, 30 MCF, 1875 GOR. Water analysis pH 7.4, Cl 3300, 80 ppm Chl.

July 31: 26/64" choke, FTP 175; 10.8 BO; 26 BW; 79 MCF. Swabbed to pit 4 hrs., approx. 50 bbls., 85% water, 15% oil.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles Watkins

TITLE Dist. Prod. Supt.

DATE 8-24-73

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.)

<p>1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR McCulloch Oil Corporation</p> <p>3. ADDRESS OF OPERATOR 2000 Classen Bldg., Suite 614-E., Oklahoma City, Okla. 73106</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1257' FNL & 1552' FEL, SE NW NE, Sec. 31</p> <p>14. PERMIT NO. 43-013-30198</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. #163.319.002</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME CHRISTMAN-BLAND</p> <p>9. WELL NO. #1-31</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 31, T 2 S, R 4 W</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether LF, RT, OR, etc.) 6091' GL</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

REPORT FOR THE MONTH OF AUGUST, 1973

"CONFIDENTIAL"

August 1: 25/64" choke, 200 FTP; 13 BO; 34 BW; 84 MCF; 6461 GOR.

August 2: 28/64" choke; 150 FTP; 16 BO; 28 BW; 87 MCF; 543 GOR.

August 3: 28/64" choke; 150 FTP; 16 BO; 34 BW; 86 MCF; 618 GOR.

August 4: 25/64" choke; 50 FTP; 28 BO; 57 BW; 127 MCF; 4535 GOR.

August 5: 25/64" choke; 100 FTP; 21 BO; 44 BW; 83 MCF; 3942 GOR.

August 6: 22 hrs., 17/64" choke; 150 FTP; 8 BO; 25 BW; 86.1 MCF; 761 GOR.

August 7: 14 hrs. on 20/64" choke; FTP 150; 11 BO; 16 BW; 48.9 MCF; 4363 GOR. Swabbed down to 4100. Approx. 150 bbls., 85% water, 15% oil.

August 8: 19 hrs. 22/64" choke; 200 FTP; 17 BO; 18 BW; 50.96 MCF; GOR 3000.

August 9: 24 hrs. 22/64" choke; 100 FTP; 21 BO; 39 BW.

August 10: 24 hrs. 22/64" choke; 200 FTP; 22 BO; 38 BW; 110.55 MCF; 5025 GOR. Dropping from report until activity commences.

August 25: Perforated at the following depths: 10,409', 426', 433', 440', 448', 456', 493', 498', 520', 553', 576', 594', 615', 637', 657', 661', 664', 713', 759', 800', 817', 824', 833', 859', 863', 871', 876', 885', 888', 896', 912', 917', 926', 963', 049', 087', 105', 111', 114', 117', 130', 133', 146', 199', 203', 206', 229', 233', 260', 270', 322', 363', 369', 403', 468', 483', 509', 545'. (58 holes).

August 26: 22 hrs. 30/64" choke, 200 FTP, 57 BO, 60 BW, 106 MCF.

August 27: 24 hrs. 28/64" choke, 200 FTP, 68 BO, 25 BW, 150 MCF. Preparing to acidize.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE District Manager DATE 9-7-73

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. #163.319.002
2. NAME OF OPERATOR McCulloch Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 2000 Classen Bldg., Suite 614-E, Oklahoma City, Oklahoma 73106		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1257' FNL & 1552' FEL, SE NW NE, Sec. 31		8. FARM OR LEASE NAME CHRISTMAN-BLAND
14. PERMIT NO. 43-013-30198		9. WELL NO. #1-31
15. ELEVATIONS (Show whether DT, RT, GR, etc.) 6091' GL		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 31, T 2 S, R 4 W
		12. COUNTY OR PARISH 18. STATE Duchesne Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

REPORT FOR THE MONTH OF AUGUST, 1973 (Cont'd) "CONFIDENTIAL"

August 28: Acidized in 5 stages of 5000 gal. each, preceded last 4 stages with 30 ball sealers and 500# Uni-beads. Total of 25,000 gals. 15% HCl, 120 ball sealers and 2000# Uni-beads. AIP 8700#, AIR 17 BPM, ISIP 4700 psi. Good ball action on last 3 stages. Opened well to pit on 3/4" choke, 500 psi tbg. press. Oil to surface in 30 mins. Turned well to tanks at 5:00 PM, Well made 432 BO; 87 BW; 489 MCF in 13 hrs. on 20/64" choke at 1400 psi tbg. press.

August 29: 24 hrs. on 20/64" choke; 1100 psi; 618 BO; 66 BW; 1.109 MCFG; 1794 GOR.

August 30: Flowed 11 hrs. on 21/64" choke; 3 hrs. on 20/64"; 10 hrs. on 18/64"; FTP 1025; 492 BO; 33 BW; 941 MCF; 1912 GOR.

August 31: 24 hrs. 20/64" choke; FTP 1000; 435 BO; 11 BW; 782 MCF; 1798 GOR.

FINAL REPORT.

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE

District Manager

DATE

9-7-73

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

SUBMIT IN DUPLICATE*

STATE OF UTAH

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. #163.319.002	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR McCulloch Oil Corporation				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 2000 Classen Bldg., Suite 614-E., Oklahoma City, Okla. 73127				8. FARM OR LEASE NAME Christman-Bland	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1257' FNL & 1552' FEL, Sec. 31, T2S, R4W At top prod. interval reported below Same At total depth Same				9. WELL NO. No. 1-31	
14. PERMIT NO. #43-013-30198 DATE ISSUED				10. FIELD AND POOL, OR WILDCAT Altamont	
15. DATE SPUDDED 2-5-73 16. DATE T.D. REACHED 7-15-73 17. DATE COMPL. (Ready to prod.) August 28, 1973 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL - 6091' 19. ELEV. CASINGHEAD 6091'				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 31, T2S, R4W	
20. TOTAL DEPTH, MD & TVD 12,025' 21. PLUG, BACK T.D., MD & TVD 11,950' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → ROTARY TOOLS X CABLE TOOLS				12. COUNTY OR PARISH Duchesne	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Wasatch 10,409-11,545'				13. STATE Utah	
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL; CNL; BHC Sonic				25. WAS DIRECTIONAL SURVEY MADE No	
27. WAS WELL CORED No					
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	23 & 26#	300'	17-1/2"	400 sks. Class "H"	None
9-5/8"	36#	4519'	12-1/4"	625 sks. Class "H"	None
7"		10,052'	8-3/4"	465 sks. Class "H"	None
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
4-1/2"	9738'	12,024'	621		
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
2-7/8"	10,350'	10,350'			
31. PERFORATION RECORD (Interval, size and number)					
10,409-11,545' (58 holes)					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
10,409-11,545'			25,000 gals. 15% HCl		
33. PRODUCTION					
DATE FIRST PRODUCTION August 1, 1973		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 9-1-73	HOURS TESTED 24	CHOKE SIZE 20/64"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 466	GAS—MCF. 771
FLOW. TUBING PRESS. 1000	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL—BBL. 466	GAS—MCF. 771	WATER—BBL. 22
					GAS-OIL RATIO 1654
					OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented					TEST WITNESSED BY
35. LIST OF ATTACHMENTS Electric Log					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Stephen D. Owen</u>		TITLE <u>Steve Owen, Engineer</u>		DATE <u>9-11-73</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s) and bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:				38. GEOLOGIC MARKERS		
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.			
Wasatch Trans	9,991'	10,559'	Sandstone & Siltstone - Fractured	TGr3	8,190'	
Wasatch Lake	10,559'	12,025'	Sands, Limestone & Dolomites - Fractured	Wasatch Trans Wasatch Lake	9,991' 10,559'	

SEP 13 1973

*

* SCHLUMBERGER *

HUSKY OIL COMPANY

GRIFFITHS NO. 1 - 33

ALTAMONT

DUCHESNE

UTAH

5 - 23 - 74

HOUSTON LOG INTERPRETATION CENTER

CORIBAND JOB

THIS JOB IS IN FEET

THE INTERVAL FOR THIS JOB IS BOTTOM TO TOP

FREQUENCY OF LISTING IS 1 FOOT

DISCRIMINATION MADE ON LISTING IS FROM VSH = 50

PERMEABILITY IS FROM THE E-4 EQUATION

THE CONSTANT IN THE EQUATION IS 250.

JUL 15 1974

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
7610.0	.00	100	3.1	1.9	2.65	36	45.13	2.66
7611.0	.00	100	3.4	2.6	2.65	30	45.10	2.66
7612.0	.00	100	3.9	2.6	2.66	31	45.06	2.66
7613.0	.00	100	2.8	2.8	2.65	39	45.03	2.66
7614.0	.00	100	2.2	2.2	2.64	49	45.00	2.66
7615.0	.00	100	2.4	2.4	2.65	49	44.99	2.66
7616.0	.00	100	4.5	4.1	2.68	33	44.96	2.66
7617.0	.01	100	5.6	2.8	2.71	33	44.91	2.66
7618.0	.00	100	4.9	1.5	2.69	31	44.85	2.66
7619.0	.00	100	4.9	2.6	2.69	30	44.81	2.66
7620.0	.01	100	5.9	2.0	2.71	26	44.76	2.66
7621.0	.02	100	6.4	.0	2.71	23	44.70	2.66
7622.0	.02	100	6.4	.0	2.72	26	44.63	2.66
7623.0	.01	100	6.2	.0	2.71	23	44.57	2.66
7624.0	.02	100	6.4	.0	2.72	23	44.50	2.66
7625.0	.03	100	6.9	.0	2.73	20	44.44	2.66
7626.0	.04	100	7.2	.0	2.72	13	44.37	2.66
7627.0	.10	100	8.5	.0	2.74	13	44.29	2.66
7628.0	.02	100	6.6	.0	2.74	16	44.21	2.66
7629.0	.01	100	5.7	.0	2.77	19	44.14	2.66
7630.0	.01	100	5.3	.0	2.76	21	44.09	2.66
7631.0	.04	100	7.2	.9	2.72	29	44.02	2.66
7632.0	.01	100	5.6	.9	2.70	39	43.95	2.66
7633.0	.00	100	4.0	2.2	2.67	47	43.90	2.66
7635.0	.00	100	1.7	1.7	2.65	42	43.86	2.66
7636.0	.00	100	1.7	1.6	2.65	40	43.84	2.66
7637.0	.00	100	1.0	1.0	2.67	48	43.83	2.66
7641.0	.00	100	2.9	.0	2.70	30	43.81	2.66
7642.0	.00	100	3.8	.1	2.73	22	43.78	2.66
7643.0	.02	100	6.8	2.1	2.70	22	43.73	2.66
7644.0	.33	100	10.5	2.8	2.66	19	43.66	2.66
7645.0	1.21	100	13.0	.2	2.69	13	43.54	2.66
7646.0	.77	100	12.1	.4	2.70	16	43.41	2.66
7647.0	.01	100	5.7	.1	2.69	26	43.31	2.66
7648.0	.00	100	1.8	1.5	2.68	35	43.26	2.66
7649.0	.00	100	1.4	.9	2.68	29	43.25	2.66
7650.0	.00	100	2.8	.8	2.67	19	43.23	2.66
7651.0	.00	100	2.8	.9	2.68	19	43.20	2.66
7652.0	.00	100	2.3	.3	2.70	22	43.18	2.66
7653.0	.00	100	1.6	.4	2.70	29	43.16	2.66
7654.0	.00	100	1.2	.2	2.69	45	43.14	2.66
7656.0	.00	100	3.2	.4	2.68	40	43.12	2.66
7657.0	.00	100	1.3	1.3	2.68	42	43.09	2.66
7658.0	.00	100	.9	.9	2.67	47	43.08	2.66

DEPTH FEET	PERM OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
7661.0	.00	100	5.1	1.2	2.70	39	43.05	2.66
7662.0	.00	100	3.4	1.5	2.69	45	43.00	2.66
7672.0	.00	100	.7	.7	2.68	49	42.98	2.66
7673.0	.00	100	1.1	1.1	2.67	43	42.97	2.66
7674.0	.00	100	1.7	1.7	2.65	40	42.96	2.66
7675.0	.00	100	1.5	1.5	2.65	41	42.94	2.66
7676.0	.00	100	.9	.9	2.68	38	42.93	2.66
7677.0	.00	100	.7	.7	2.69	36	42.92	2.66
7678.0	.00	100	1.0	1.0	2.69	44	42.91	2.66
7679.0	.00	100	3.0	.3	2.76	44	42.90	2.66
7680.0	.00	100	3.1	.0	2.77	36	42.87	2.66
7681.0	.00	100	1.4	.7	2.73	35	42.84	2.66
7682.0	.00	100	1.8	1.8	2.68	38	42.83	2.66
7683.0	.00	100	3.6	3.6	2.66	38	42.81	2.66
7684.0	.00	100	5.1	5.1	2.65	39	42.76	2.66
7685.0	.01	100	5.3	4.1	2.67	35	42.71	2.66
7686.0	.00	100	3.3	2.6	2.67	35	42.66	2.66
7687.0	.00	100	.7	.7	2.69	32	42.64	2.66
7688.0	.00	100	.7	.0	2.69	26	42.63	2.66
7689.0	.00	100	1.3	1.3	2.67	35	42.62	2.66
7690.0	.00	100	.6	.6	2.69	37	42.61	2.66
7691.0	.00	100	.4	.0	2.70	24	42.61	2.66
7692.0	.00	100	.7	.0	2.69	8	42.60	2.66
7693.0	.00	100	.2	.0	2.70	0	42.60	2.66
7694.0	.00	100	.5	.0	2.70	12	42.59	2.66
7695.0	.00	100	.7	.1	2.69	15	42.59	2.66
7696.0	.00	100	.0	.0	2.71	22	42.58	2.66
7697.0	.00	100	.0	.0	2.71	22	42.58	2.66
7698.0	.00	100	.4	.0	2.70	20	42.58	2.66
7699.0	.00	100	.5	.5	2.70	25	42.58	2.66
7700.0	.00	100	2.2	1.8	2.72	29	42.57	2.66
7701.0	.01	100	6.0	2.0	2.74	30	42.54	2.66
7702.0	.12	100	8.8	.0	2.80	24	42.47	2.66
7703.0	.12	100	8.9	.0	2.80	16	42.38	2.66
7704.0	.13	100	8.9	.0	2.78	14	42.29	2.66
7705.0	.13	100	9.0	1.1	2.78	23	42.20	2.66
7706.0	.22	100	9.8	.0	2.80	23	42.11	2.66
7707.0	.28	100	10.2	.0	2.81	23	42.01	2.66
7708.0	.19	100	9.5	.0	2.81	23	41.91	2.66
7709.0	.35	100	10.6	.0	2.81	29	41.81	2.66
7710.0	.10	100	8.6	.0	2.82	42	41.71	2.66
7711.0	.07	100	8.1	.0	2.80	45	41.63	2.66
7712.0	.24	100	10.0	.0	2.78	26	41.54	2.66
7713.0	.01	100	6.0	.0	2.72	22	41.45	2.66
7714.0	.00	100	5.0	.0	2.70	29	41.39	2.66
7715.0	.04	100	7.3	.0	2.72	29	41.34	2.66

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
7716.0	.84	100	12.2	.3	2.75	18	41.25	2.66
7717.0	2.08	100	14.2	.0	2.75	5	41.12	2.66
7718.0	2.08	100	14.2	.0	2.72	5	40.98	2.66
7719.0	1.88	100	14.0	.0	2.72	6	40.84	2.66
7720.0	1.19	100	13.0	.0	2.73	13	40.70	2.66
7721.0	.53	100	11.3	1.7	2.76	24	40.58	2.66
7722.0	.04	100	7.5	4.9	2.76	41	40.47	2.66
7726.0	.05	100	7.7	.0	2.79	48	40.43	2.66
7727.0	1.53	100	13.5	.0	2.75	9	40.34	2.66
7728.0	.86	100	12.3	.6	2.73	0	40.21	2.66
7729.0	.96	100	12.5	1.4	2.72	0	40.09	2.66
7730.0	.50	100	11.2	1.8	2.71	6	39.96	2.66
7731.0	.22	100	9.8	1.6	2.72	16	39.86	2.66
7732.0	.95	100	12.5	1.0	2.75	16	39.75	2.66
7733.0	.45	100	11.0	1.1	2.73	26	39.63	2.66
7737.0	.11	100	8.7	1.4	2.72	42	39.53	2.66
7738.0	.03	100	7.1	.0	2.73	15	39.44	2.66
7739.0	.01	100	5.7	.0	2.73	17	39.37	2.66
7740.0	.00	100	4.3	.8	2.71	29	39.32	2.66
7741.0	.00	100	2.0	2.0	2.67	48	39.28	2.66
7746.0	.00	100	4.9	4.9	2.64	47	39.27	2.66
7754.0	.00	100	3.0	3.0	2.70	38	39.23	2.66
7755.0	.00	100	1.4	1.3	2.70	22	39.20	2.66
7756.0	.00	100	.8	.4	2.69	15	39.19	2.66
7757.0	.00	100	1.3	1.3	2.67	20	39.19	2.66
7758.0	.00	100	1.5	1.5	2.66	33	39.17	2.66
7759.0	.00	100	1.8	1.6	2.69	41	39.16	2.66
7760.0	.00	100	1.9	1.6	2.69	44	39.14	2.66
7761.0	.00	100	.4	.4	2.69	48	39.12	2.66
7762.0	.00	100	.6	.6	2.68	46	39.12	2.66
7770.0	.39	100	10.8	4.1	2.69	27	39.08	2.66
7771.0	2.14	79	14.3	3.8	2.67	4	38.96	2.65
7772.0	2.85	70	15.0	1.7	2.68	0	38.81	2.62
7773.0	1.95	85	14.1	2.5	2.68	6	38.67	2.58
7774.0	.22	100	9.8	3.6	2.67	24	38.53	2.57
7785.0	.15	100	9.2	.0	2.78	26	38.41	2.57
7786.0	.04	100	7.4	.0	2.74	6	38.32	2.57
7787.0	.02	100	6.6	.0	2.75	4	38.25	2.57
7788.0	.03	100	7.0	.0	2.76	0	38.19	2.57
7789.0	.02	100	6.7	.0	2.74	0	38.12	2.57
7790.0	.02	100	6.6	.0	2.74	0	38.05	2.57
7791.0	.02	100	6.7	.0	2.73	0	37.98	2.57

DEPTH FEET	PERM OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
7792.0	.00	100	4.8 .0	2.72	0	37.92 2.57
7793.0	.00	100	3.4 .0	2.71	0	37.88 2.57
7794.0	.00	100	4.6 .0	2.71	3	37.85 2.57
7795.0	.05	100	7.7 .0	2.71	4	37.79 2.57
7796.0	.09	100	8.5 .0	2.69	0	37.71 2.57
7797.0	.04	100	7.5 .0	2.68	0	37.63 2.57
7798.0	.03	100	6.9 .4	2.68	0	37.55 2.57
7799.0	.00	100	5.0 .0	2.67	2	37.49 2.57
7800.0	.00	100	4.1 .0	2.69	9	37.44 2.57
7801.0	.00	100	3.2 .8	2.70	26	37.40 2.57
7802.0	.00	100	3.9 2.0	2.68	43	37.37 2.57
7809.0	.11	100	8.8 .0	2.79	41	37.31 2.57
7810.0	.43	100	10.9 .0	2.76	27	37.22 2.57
7811.0	.51	100	11.2 1.6	2.74	16	37.11 2.57
7812.0	.00	100	5.2 .2	2.74	12	37.01 2.57
7813.0	.00	100	3.1 .8	2.70	28	36.97 2.57
7814.0	.00	100	4.5 1.9	2.74	43	36.93 2.57
7823.0	.05	100	7.6 .0	2.81	49	36.91 2.57
7824.0	.05	100	7.6 .0	2.75	49	36.83 2.57
7832.0	.28	100	10.2 .0	2.77	23	36.75 2.57
7833.0	.03	100	6.9 .2	2.71	6	36.66 2.57
7834.0	.01	100	6.2 .4	2.69	4	36.59 2.57
7835.0	.03	100	7.1 .7	2.70	11	36.53 2.57
7836.0	.03	100	7.0 1.0	2.71	15	36.46 2.57
7837.0	.00	100	4.9 .8	2.71	19	36.39 2.57
7838.0	.00	100	2.7 .9	2.70	32	36.35 2.57
7843.0	.05	100	7.6 .0	2.79	49	36.33 2.57
7844.0	.65	100	11.7 .0	2.77	18	36.24 2.57
7845.0	.36	100	10.6 .0	2.72	3	36.13 2.57
7846.0	.02	100	6.3 .0	2.69	7	36.04 2.57
7847.0	.10	100	8.5 .0	2.64	11	35.97 2.57
7848.0	.21	88	9.7 .0	2.65	35	35.87 2.55
7851.0	.08	89	8.2 .0	2.78	45	35.78 2.54
7852.0	.23	100	9.8 .0	2.73	17	35.69 2.53
7853.0	.04	100	7.5 .0	2.73	6	35.60 2.53
7854.0	.11	100	8.7 .0	2.72	2	35.53 2.53
7855.0	.18	100	9.4 1.1	2.70	6	35.43 2.53
7856.0	.07	100	8.1 1.9	2.69	16	35.34 2.53
7857.0	.00	100	5.0 3.6	2.67	39	35.27 2.53
7869.0	.07	100	8.1 .0	2.78	46	35.24 2.53
7870.0	.20	100	9.6 1.0	2.74	16	35.15 2.53
7871.0	.12	100	8.9 3.6	2.67	7	35.06 2.53

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
7872.0	.68	100	11.8	6.2	2.64	0	34.96	2.53
7873.0	.14	100	9.1	6.1	2.64	24	34.84	2.53
7874.0	.03	100	6.9	1.2	2.75	43	34.76	2.53
7875.0	.40	100	10.8	.0	2.80	25	34.68	2.53
7876.0	.17	100	9.4	.0	2.75	9	34.57	2.53
7877.0	.10	100	8.6	.0	2.74	4	34.48	2.53
7878.0	.23	100	9.8	.0	2.73	0	34.39	2.53
7879.0	.43	100	10.9	.6	2.73	0	34.29	2.53
7880.0	1.05	87	12.7	.9	2.71	0	34.18	2.53
7881.0	.25	100	10.0	.0	2.68	0	34.06	2.52
7882.0	.16	100	9.3	.0	2.71	0	33.96	2.52
7883.0	.08	100	8.3	.0	2.72	0	33.87	2.52
7884.0	.37	99	10.7	1.2	2.70	0	33.79	2.52
7885.0	.51	67	11.3	3.8	2.65	0	33.68	2.51
7886.0	.01	100	5.8	.0	2.65	0	33.59	2.49
7887.0	.00	100	2.0	.0	2.66	10	33.54	2.49
7888.0	.00	100	1.7	1.7	2.67	17	33.52	2.49
7889.0	.00	100	1.0	1.0	2.68	23	33.51	2.49
7890.0	.00	100	.6	.6	2.69	39	33.50	2.49
7892.0	.00	100	3.2	3.1	2.73	49	33.49	2.49
7893.0	.00	100	2.2	2.2	2.72	43	33.46	2.49
7894.0	.00	100	1.7	1.7	2.70	41	33.44	2.49
7895.0	.00	100	1.1	1.1	2.68	49	33.43	2.49
7897.0	.08	84	8.2	.0	2.75	44	33.42	2.49
7898.0	.61	100	11.6	1.5	2.77	15	33.33	2.47
7899.0	.17	100	9.4	1.1	2.72	0	33.22	2.47
7900.0	.53	100	11.3	2.7	2.68	0	33.12	2.47
7901.0	2.85	100	15.0	3.1	2.67	0	33.00	2.47
7902.0	1.94	100	14.1	1.3	2.68	6	32.85	2.47
7903.0	.77	100	12.1	4.0	2.68	19	32.71	2.47
7904.0	.16	100	9.3	7.8	2.65	38	32.60	2.47
7912.0	.01	100	5.8	3.8	2.64	38	32.53	2.47
7914.0	.00	100	2.6	2.0	2.73	44	32.48	2.47
7915.0	.00	100	4.3	.2	2.73	22	32.45	2.47
7916.0	.00	100	4.1	.3	2.71	9	32.40	2.47
7917.0	.00	100	5.1	.1	2.73	2	32.36	2.47
7918.0	.03	92	6.9	.4	2.74	0	32.30	2.47
7919.0	.07	88	8.0	.0	2.74	0	32.23	2.47
7920.0	.04	100	7.5	.2	2.73	9	32.15	2.46
7921.0	.00	100	4.5	3.1	2.69	28	32.08	2.46
7933.0	.01	100	6.0	5.8	2.65	48	32.05	2.46
7936.0	.08	100	8.2	6.9	2.64	45	31.98	2.46

DEPTH FEET	PERM TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
7937.0	.26	99	10.1	6.1	2.64	32	31.89	2.46
7938.0	.27	98	10.1	5.6	2.64	32	31.84	2.46
7954.0	.00	100	5.2	2.6	2.74	37	31.75	2.46
7955.0	.00	100	4.9	3.0	2.72	25	31.70	2.46
7956.0	.00	100	3.2	3.2	2.65	35	31.66	2.46
7957.0	.00	98	1.8	1.8	2.64	43	31.63	2.46
7989.0	.42	100	10.9	.0	2.78	23	31.57	2.46
7990.0	.10	100	8.6	.0	2.71	5	31.47	2.46
7991.0	.05	100	7.6	.0	2.72	2	31.38	2.46
7992.0	.10	88	8.6	.0	2.71	2	31.31	2.46
7993.0	.31	51	10.3	1.2	2.70	4	31.21	2.44
7994.0	.45	51	11.0	1.3	2.69	12	31.11	2.39
7995.0	.37	69	10.7	.0	2.69	28	31.00	2.34
7996.0	.11	75	8.8	.0	2.71	41	30.90	2.31
7998.0	.08	61	8.3	.0	2.74	44	30.78	2.25
7999.0	.16	83	9.3	.0	2.69	37	30.70	2.24
8000.0	.16	75	9.3	.0	2.66	37	30.60	2.22
8001.0	.01	100	5.9	1.0	2.68	37	30.52	2.20
8002.0	.00	100	3.3	2.4	2.73	35	30.47	2.20
8003.0	.00	100	2.2	2.1	2.74	41	30.43	2.20
8007.0	.08	93	8.3	.3	2.71	44	30.42	2.20
8008.0	.04	100	7.4	5.1	2.64	23	30.34	2.20
8009.0	.00	100	1.9	1.9	2.64	40	30.28	2.20
8010.0	.00	100	.3	.3	2.70	49	30.26	2.20
8016.0	.63	86	11.7	.0	2.76	22	30.21	2.20
8017.0	.35	68	10.6	.0	2.68	17	30.09	2.17
8018.0	.02	75	6.4	3.2	2.65	15	30.00	2.14
8019.0	.00	100	2.7	2.7	2.64	22	29.94	2.13
8020.0	.00	100	1.9	1.0	2.66	18	29.91	2.13
8021.0	.00	100	1.7	1.1	2.70	43	29.90	2.13
8023.0	.02	100	6.4	1.1	2.72	37	29.86	2.13
8024.0	.00	100	4.5	3.5	2.66	22	29.79	2.13
8025.0	.00	100	3.6	1.7	2.69	15	29.75	2.13
8026.0	.00	100	4.8	.9	2.71	13	29.72	2.13
8027.0	.04	100	7.4	.0	2.71	11	29.66	2.13
8028.0	.16	100	9.3	2.2	2.67	17	29.58	2.13
8029.0	.16	100	9.3	3.6	2.64	19	29.49	2.13
8040.0	.00	100	3.3	2.6	2.70	49	29.41	2.13
8041.0	.01	100	5.7	1.1	2.72	23	29.36	2.13
8042.0	.00	100	2.9	.0	2.70	12	29.32	2.13
8043.0	.03	100	6.9	4.3	2.68	13	29.29	2.13

DEPTH FEET	PERM. OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
8044.0	.08	100	8.3 6.1	2.66	13	29.22 2.13
8045.0	.08	100	8.3 4.2	2.66	9	29.14 2.13
8046.0	.01	100	6.2 .0	2.70	6	29.06 2.13
8047.0	.00	100	4.9 .1	2.70	9	29.00 2.13
8048.0	.00	100	5.0 .0	2.71	6	28.95 2.13
8049.0	.00	100	4.1 .0	2.70	6	28.90 2.13
8050.0	.00	100	4.5 .0	2.72	11	28.86 2.13
8051.0	.00	100	4.3 .0	2.71	9	28.81 2.13
8052.0	.00	100	4.9 .0	2.71	0	28.77 2.13
8053.0	.00	100	4.9 .0	2.72	0	28.72 2.13
8054.0	.01	100	5.9 .0	2.71	2	28.67 2.13
8055.0	.02	100	6.3 .0	2.70	6	28.61 2.13
8056.0	.00	100	5.1 .1	2.70	15	28.55 2.13
8057.0	.00	100	3.3 2.0	2.73	35	28.50 2.13
8060.0	.15	100	9.2 .0	2.76	38	28.47 2.13
8061.0	.33	100	10.4 1.8	2.70	12	28.37 2.13
8062.0	.17	100	9.3 5.0	2.66	15	28.27 2.13
8063.0	.01	100	6.0 5.5	2.64	32	28.18 2.13
8067.0	.16	100	9.3 1.8	2.71	27	28.15 2.13
8068.0	.55	71	11.4 .0	2.75	0	28.05 2.12
8069.0	1.55	54	13.5 .0	2.74	0	27.93 2.08
8070.0	3.15	47	15.0 .7	2.69	0	27.79 2.01
8071.0	2.89	47	14.7 4.4	2.65	1	27.64 1.94
8072.0	.67	60	11.8 6.2	2.65	16	27.50 1.86
8073.0	.07	100	8.1 3.7	2.68	38	27.39 1.83
8076.0	.63	100	11.7 .0	2.72	22	27.30 1.83
8077.0	.59	62	11.5 .3	2.69	6	27.18 1.80
8078.0	.17	78	9.4 2.5	2.69	15	27.07 1.77
8079.0	.04	100	7.3 .3	2.74	28	26.99 1.75
8080.0	.02	100	6.6 .0	2.82	43	26.92 1.75
8082.0	.04	91	7.5 .0	2.73	49	26.85 1.75
8083.0	.49	73	11.2 .0	2.76	22	26.76 1.74
8084.0	.17	100	9.4 .0	2.73	9	26.66 1.72
8085.0	.03	100	7.0 1.0	2.70	11	26.57 1.72
8086.0	.01	100	5.4 1.2	2.71	19	26.50 1.72
8087.0	.00	100	4.9 .0	2.75	37	26.45 1.72
8089.0	.21	100	9.7 .0	2.79	35	26.36 1.72
8090.0	.06	100	7.8 .9	2.71	22	26.26 1.72
8091.0	.00	100	4.5 .8	2.70	25	26.20 1.72
8092.0	.00	100	3.6 1.2	2.71	22	26.15 1.72
8093.0	.00	100	3.8 .3	2.74	12	26.12 1.72
8094.0	.02	100	6.5 .0	2.75	0	26.07 1.72
8095.0	.08	100	8.3 .0	2.73	0	26.00 1.72

DEPTH FEET	PERM OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
8096.0	.11	100	8.8	1.5	2.69	0	25.92	1.72
8097.0	.10	100	8.6	1.5	2.69	0	25.83	1.72
8098.0	.22	100	9.8	4.0	2.66	0	25.74	1.72
8099.0	.15	100	9.1	5.6	2.64	0	25.65	1.72
8100.0	.04	100	7.4	3.1	2.67	0	25.56	1.72
8101.0	.04	100	7.4	2.7	2.68	0	25.49	1.72
8102.0	.02	100	6.4	4.1	2.64	0	25.41	1.72
8103.0	.00	100	4.3	2.3	2.64	0	25.35	1.72
8104.0	.00	100	4.0	1.0	2.66	0	25.31	1.72
8105.0	.00	100	4.4	.0	2.71	3	25.27	1.72
8106.0	.00	100	4.2	.6	2.72	16	25.23	1.72
8107.0	.00	100	4.3	1.4	2.74	29	25.18	1.72
8108.0	.00	100	3.9	1.3	2.75	38	25.14	1.72
8109.0	.00	100	4.1	.2	2.77	45	25.10	1.72
8116.0	.06	100	7.8	.9	2.80	48	25.06	1.72
8117.0	.01	100	5.9	1.1	2.75	32	24.98	1.72
8118.0	.00	100	3.7	.8	2.75	38	24.93	1.72
8119.0	.00	100	5.0	.4	2.79	48	24.89	1.72
8123.0	.37	100	10.7	.0	2.83	28	24.82	1.72
8124.0	.11	100	8.7	.0	2.78	12	24.71	1.72
8125.0	.06	100	7.9	.0	2.79	12	24.63	1.72
8126.0	.05	100	7.6	.0	2.77	12	24.55	1.72
8127.0	.01	100	6.2	1.2	2.77	25	24.48	1.72
8128.0	.01	100	6.0	.0	2.81	45	24.42	1.72
8132.0	.05	100	7.7	.0	2.78	42	24.39	1.72
8133.0	.01	100	6.2	1.2	2.69	19	24.32	1.72
8134.0	.00	100	4.8	2.4	2.70	19	24.26	1.72
8135.0	.00	100	4.3	1.6	2.72	19	24.21	1.72
8136.0	.00	100	3.2	1.0	2.75	29	24.17	1.72
8137.0	.00	100	3.2	.4	2.75	42	24.14	1.72
8148.0	.06	100	7.8	.0	2.86	47	24.11	1.72
8149.0	.01	100	5.4	.0	2.77	44	24.04	1.72
8160.0	.12	100	8.8	.0	2.87	41	23.99	1.72
8161.0	1.12	100	12.8	.0	2.80	10	23.89	1.72
8162.0	.30	100	10.3	.0	2.76	4	23.76	1.72
8163.0	.11	100	8.7	.0	2.76	10	23.67	1.72
8164.0	.03	100	7.2	.0	2.76	15	23.58	1.72
8165.0	.00	100	4.4	.9	2.73	28	23.52	1.72
8178.0	.00	100	2.7	.3	2.75	44	23.47	1.72
8179.0	.00	100	2.4	.7	2.72	36	23.44	1.72
8180.0	.00	100	.8	.4	2.69	40	23.42	1.72
8181.0	.00	100	1.0	.0	2.73	44	23.41	1.72

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
8182.0	.00	100	1.9	.0	2.75	41	23.40	1.72
8194.0	.02	100	6.7	.0	2.79	41	23.38	1.72
8195.0	.03	100	7.0	.0	2.73	18	23.31	1.72
8196.0	.02	100	6.8	.0	2.71	9	23.24	1.72
8197.0	.02	60	6.7	.0	2.71	4	23.18	1.71
8198.0	.00	100	5.1	.6	2.70	12	23.11	1.70
8199.0	.00	100	3.8	2.0	2.69	25	23.07	1.70
8200.0	.00	100	2.2	2.2	2.68	41	23.03	1.70
8212.0	.10	100	8.6	.0	2.83	42	23.02	1.70
8213.0	.21	100	9.7	1.3	2.74	16	22.93	1.70
8214.0	.44	99	11.0	2.8	2.71	12	22.83	1.70
8215.0	.13	100	9.0	2.5	2.71	32	22.73	1.70
8224.0	.00	100	4.9	.0	2.80	48	22.68	1.70
8225.0	.00	100	4.9	.0	2.75	19	22.63	1.70
8226.0	.00	100	4.2	.0	2.73	12	22.59	1.70
8227.0	.00	100	3.9	.0	2.70	19	22.55	1.70
8228.0	.00	100	4.5	.0	2.67	29	22.51	1.70
8229.0	.00	100	2.3	.0	2.68	45	22.47	1.70
8245.0	.38	100	10.7	.0	2.78	28	22.41	1.70
8246.0	.33	100	10.5	.0	2.73	9	22.30	1.70
8247.0	.09	100	8.5	.0	2.71	9	22.20	1.70
8248.0	.01	100	6.0	.2	2.71	23	22.12	1.70
8249.0	.00	100	1.5	1.0	2.70	36	22.07	1.70
8250.0	.00	100	.2	.0	2.70	47	22.06	1.70
8260.0	.00	100	3.5	.0	2.76	37	22.04	1.70
8261.0	.00	100	3.2	.0	2.74	31	22.01	1.70
8262.0	.00	100	2.3	.0	2.71	22	21.97	1.70
8263.0	.00	100	1.1	.5	2.69	24	21.96	1.70
8264.0	.00	100	1.3	1.0	2.67	33	21.94	1.70
8265.0	.00	100	.9	.0	2.70	39	21.93	1.70
8266.0	.00	100	1.2	.0	2.78	46	21.92	1.70
8288.0	.00	100	4.2	1.9	2.68	49	21.92	1.70
8289.0	.00	100	4.8	4.4	2.64	34	21.87	1.70
8290.0	.00	100	4.8	3.3	2.64	24	21.82	1.70
8291.0	.00	100	1.9	.0	2.66	16	21.79	1.70
8292.0	.00	100	.7	.0	2.69	22	21.77	1.70
8293.0	.00	100	.0	.0	2.73	44	21.77	1.70
8342.0	.00	100	.0	.0	2.64	41	21.77	1.70
8343.0	.00	100	.0	.0	2.65	35	21.77	1.70
8351.0	.00	100	.0	.0	2.70	48	21.77	1.70

DEPTH FEET	PERM. OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
8352.0	.00	100	.0	.0	2.71	38	21.77	1.70
8353.0	.00	100	.0	.0	2.70	45	21.77	1.70
8361.0	.01	100	5.3	.0	2.80	48	21.77	1.70
8362.0	.00	100	4.4	.0	2.77	30	21.72	1.70
8363.0	.00	100	4.7	.0	2.73	9	21.68	1.70
8364.0	.00	100	5.0	.0	2.73	3	21.63	1.70
8365.0	.01	100	5.8	.0	2.73	0	21.58	1.70
8366.0	.02	100	6.3	.0	2.73	0	21.52	1.70
8367.0	.01	100	5.7	.0	2.72	9	21.45	1.70
8368.0	.00	100	4.7	.0	2.70	16	21.40	1.70
8369.0	.00	100	4.2	.0	2.68	9	21.35	1.70
8370.0	.00	100	5.2	.0	2.66	3	21.31	1.70
8371.0	.00	100	4.8	.0	2.67	9	21.25	1.70
8372.0	.00	100	4.3	.0	2.73	22	21.21	1.70
8373.0	.01	100	5.3	.0	2.78	31	21.16	1.70
8374.0	.02	100	6.6	.0	2.76	26	21.11	1.69
8375.0	.01	100	5.4	.0	2.75	29	21.04	1.69
8376.0	.00	100	4.5	.0	2.78	42	20.99	1.69
8379.0	.02	100	6.5	.0	2.82	49	20.95	1.69
8380.0	.08	100	8.2	.0	2.83	36	20.88	1.69
8381.0	.29	100	10.2	.0	2.76	13	20.79	1.69
8382.0	.02	100	6.4	.0	2.71	0	20.70	1.69
8383.0	.01	100	5.7	.0	2.73	0	20.64	1.69
8384.0	.02	84	6.3	.0	2.73	0	20.58	1.69
8385.0	.03	81	6.9	.0	2.72	0	20.51	1.68
8386.0	.04	73	7.3	.0	2.74	0	20.44	1.67
8387.0	.04	70	7.4	.0	2.73	0	20.37	1.65
8388.0	.05	65	7.7	.0	2.71	0	20.29	1.62
8389.0	.06	92	7.8	.0	2.64	0	20.22	1.60
8390.0	.08	100	8.2	.0	2.64	4	20.14	1.60
8391.0	.02	100	6.4	.0	2.66	37	20.07	1.60
8393.0	.04	100	7.4	.0	2.64	43	19.96	1.60
8394.0	.05	100	7.8	.0	2.64	40	19.89	1.60
8395.0	.19	100	9.5	.0	2.73	26	19.81	1.60
8396.0	.52	91	11.3	.0	2.67	1	19.71	1.60
8397.0	.06	100	7.9	.0	2.68	0	19.60	1.59
8398.0	.00	100	5.2	.0	2.69	10	19.53	1.59
8399.0	.00	100	4.6	.0	2.69	19	19.48	1.59
8400.0	.01	100	5.7	.0	2.72	19	19.43	1.59
8401.0	.01	100	5.5	.0	2.73	13	19.38	1.59
8402.0	.00	100	3.1	.0	2.70	13	19.33	1.59
8403.0	.00	100	2.0	.0	2.66	10	19.30	1.59
8404.0	.00	100	4.5	.0	2.72	28	19.28	1.59
8405.0	.01	100	5.4	.0	2.74	33	19.23	1.59
8406.0	.01	100	6.0	.0	2.75	26	19.17	1.59

DEPTH FEET	PERM.TQ OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS		
						FOR-FT	HC-FT	
8407.0	.00	100	3.7	.0	2.71	19	19.12	1.59
8408.0	.00	100	2.6	.0	2.70	10	19.08	1.59
8409.0	.00	100	.7	.0	2.67	25	19.06	1.59
8410.0	.01	100	5.3	.0	2.64	41	19.04	1.59
8418.0	.00	100	1.7	.0	2.65	42	18.97	1.59
8419.0	.00	100	2.6	.0	2.65	4	18.95	1.59
8420.0	.00	100	2.0	.0	2.66	13	18.93	1.59
8421.0	.00	100	1.6	.0	2.67	16	18.91	1.59
8422.0	.00	100	1.0	.0	2.67	38	18.90	1.59
8444.0	.01	100	6.2	.0	2.76	26	18.86	1.59
8445.0	.01	100	5.9	.0	2.75	0	18.80	1.59
8446.0	.07	100	8.0	.0	2.74	0	18.74	1.59
8447.0	.28	65	10.2	1.1	2.68	0	18.65	1.58
8448.0	.00	100	4.1	.0	2.66	3	18.55	1.55
8449.0	.00	100	.0	.0	2.67	26	18.53	1.55
8473.0	.00	100	.7	.0	2.68	22	18.53	1.55
8474.0	.00	100	.1	.0	2.67	12	18.52	1.55
8475.0	.00	100	.0	.0	2.66	16	18.52	1.55
8476.0	.00	100	.0	.0	2.67	34	18.52	1.55
8481.0	.00	100	1.5	.0	2.65	45	18.52	1.55
8482.0	.00	100	1.6	.0	2.66	37	18.50	1.55
8483.0	.00	100	.8	.0	2.68	47	18.49	1.55
8508.0	.00	100	1.4	1.0	2.65	46	18.49	1.55
8509.0	.00	100	2.5	.0	2.64	24	18.47	1.55
8510.0	.00	100	4.5	.0	2.64	15	18.44	1.55
8511.0	.02	100	6.3	.1	2.64	5	18.39	1.55
8512.0	.02	100	6.7	.3	2.64	0	18.32	1.55
8513.0	.00	100	4.1	1.2	2.64	23	18.26	1.55
8518.0	.00	100	2.1	2.1	2.65	45	18.23	1.55
8519.0	.00	100	3.7	1.1	2.64	18	18.21	1.55
8520.0	.00	100	3.3	.0	2.64	20	18.17	1.55
8528.0	.00	100	3.4	.0	2.64	42	18.13	1.55
8535.0	.11	100	8.7	1.4	2.72	32	18.10	1.55
8536.0	.14	100	9.1	.8	2.73	3	18.01	1.55
8537.0	.01	100	5.6	.4	2.72	9	17.92	1.55
8538.0	.00	100	3.0	.7	2.69	29	17.87	1.55
8539.0	.00	100	.3	.0	2.71	45	17.85	1.55
8549.0	.00	100	2.8	.0	2.64	49	17.85	1.55
8550.0	.00	100	3.9	.0	2.65	42	17.82	1.55

DEPTH FEET	PERMEABILITY OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
8551.0	.04	89	7.5	.0	2.67	6	17.77	1.55
8552.0	.02	81	6.5	.0	2.66	0	17.70	1.54
8553.0	.01	87	5.3	.0	2.66	3	17.63	1.53
8554.0	.00	73	4.3	.0	2.67	5	17.58	1.52
8555.0	.00	100	4.0	.0	2.64	4	17.54	1.51
8556.0	.00	100	1.7	.0	2.67	11	17.51	1.51
8557.0	.00	100	.4	.0	2.68	27	17.50	1.51
8565.0	.03	100	7.0	.0	2.77	46	17.49	1.51
8566.0	.18	100	9.4	.0	2.72	19	17.41	1.51
8567.0	.02	100	6.8	.0	2.70	0	17.32	1.51
8568.0	.02	100	6.7	.0	2.71	0	17.26	1.51
8569.0	.01	100	5.9	.0	2.69	10	17.19	1.51
8570.0	.00	100	4.3	.0	2.64	19	17.14	1.51
8571.0	.00	100	3.8	.0	2.64	28	17.10	1.51
8572.0	.00	100	1.4	.0	2.66	43	17.07	1.51
8573.0	.00	100	3.8	.0	2.64	38	17.05	1.51
8574.0	.00	100	3.7	.0	2.64	43	17.01	1.51
8575.0	.00	100	2.6	.0	2.64	45	16.98	1.51
8576.0	.00	100	3.8	.0	2.64	41	16.95	1.51
8577.0	.00	100	3.3	.0	2.64	46	16.91	1.51
8584.0	.01	100	6.1	.0	2.72	20	16.86	1.51
8585.0	.00	100	3.9	.0	2.71	4	16.80	1.51
8586.0	.00	100	4.0	.0	2.69	3	16.77	1.51
8587.0	.00	100	3.2	.0	2.67	6	16.73	1.51
8588.0	.00	100	2.6	.0	2.66	9	16.69	1.51
8589.0	.00	100	3.0	.0	2.68	9	16.67	1.51
8590.0	.00	100	1.4	.0	2.67	19	16.64	1.51
8591.0	.00	100	.4	.0	2.67	35	16.63	1.51
8618.0	.03	100	6.8	.0	2.75	29	16.60	1.51
8619.0	.05	100	7.6	.0	2.74	6	16.53	1.51
8620.0	.15	89	9.1	1.3	2.71	3	16.45	1.51
8621.0	.06	100	7.9	3.6	2.66	9	16.36	1.50
8622.0	.00	100	3.5	3.1	2.64	27	16.29	1.50
8623.0	.00	100	1.1	.4	2.67	36	16.26	1.50
8624.0	.00	100	.3	.0	2.70	48	16.26	1.50
8661.0	.00	100	1.0	.7	2.67	40	16.25	1.50
8683.0	.02	100	6.5	.0	2.69	27	16.21	1.50
8684.0	.04	100	7.2	.7	2.67	1	16.15	1.50
8685.0	.02	100	6.5	1.3	2.66	0	16.07	1.50
8686.0	.01	100	5.9	.0	2.71	0	16.01	1.50
8687.0	.00	100	5.2	.0	2.72	3	15.96	1.50
8688.0	.00	100	4.9	.0	2.71	2	15.90	1.50
8689.0	.00	100	4.1	.3	2.69	9	15.86	1.50

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
8690.0	.00	100	2.1	.3	2.68	23	15.82	1.50
8691.0	.00	100	1.3	.0	2.67	22	15.80	1.50
8692.0	.00	100	.8	.0	2.67	37	15.79	1.50
8717.0	.06	100	7.9	.0	2.70	39	15.78	1.50
8718.0	.00	100	5.2	.3	2.68	18	15.70	1.50
8719.0	.04	100	7.3	1.2	2.68	3	15.65	1.50
8720.0	.06	85	8.0	.0	2.66	0	15.58	1.50
8721.0	.68	49	11.8	1.5	2.68	0	15.50	1.48
8722.0	.06	79	8.0	.0	2.71	0	15.39	1.44
8723.0	.02	100	6.3	.0	2.68	4	15.32	1.43
8724.0	.00	100	4.9	.0	2.64	5	15.26	1.43
8725.0	.00	100	3.8	.0	2.64	14	15.21	1.43
8726.0	.01	100	6.0	.0	2.64	33	15.17	1.43
8769.0	.00	100	1.1	.0	2.67	47	15.10	1.43
8770.0	.00	100	.9	.0	2.68	40	15.09	1.43
8771.0	.00	100	1.3	1.3	2.66	44	15.08	1.43
8774.0	.00	100	3.4	.0	2.64	45	15.06	1.43
8775.0	.00	100	2.3	.0	2.64	28	15.03	1.43
8776.0	.00	100	3.1	.0	2.64	15	15.01	1.43
8777.0	.00	100	4.1	.0	2.64	12	14.97	1.43
8778.0	.00	100	4.3	.0	2.64	14	14.93	1.43
8779.0	.00	100	4.2	.0	2.64	26	14.89	1.43
8780.0	.00	100	3.6	.0	2.64	44	14.85	1.43
8843.0	.00	100	4.0	.0	2.74	48	14.83	1.43
8844.0	.00	100	2.9	.0	2.78	48	14.79	1.43
8845.0	.00	100	1.3	.0	2.73	49	14.77	1.43
8846.0	.00	100	1.3	.5	2.71	48	14.75	1.43
8853.0	.01	100	5.3	.1	2.77	38	14.72	1.43
8854.0	.00	100	3.9	.0	2.77	35	14.67	1.43
8855.0	.00	100	4.0	.0	2.80	35	14.63	1.43
8856.0	.00	100	5.1	.0	2.80	37	14.59	1.43
8857.0	.03	98	6.9	.0	2.82	39	14.53	1.43
8858.0	.00	100	4.0	.0	2.75	42	14.46	1.42
8859.0	.00	100	1.3	1.2	2.66	43	14.44	1.42
8865.0	.06	100	7.9	.0	2.84	39	14.42	1.42
8866.0	.01	100	5.9	.0	2.79	26	14.34	1.42
8867.0	.01	100	5.3	.0	2.82	36	14.29	1.42
8868.0	.02	100	6.6	.0	2.85	37	14.23	1.42
8878.0	.02	100	6.6	.0	2.81	49	14.17	1.42
8879.0	.02	100	6.4	.0	2.77	36	14.10	1.42
8880.0	.02	100	6.8	.9	2.76	39	14.04	1.42

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT		
8881.0	.01	100	5.5	.0	2.74	46	13.97	1.42
8882.0	.00	100	4.5	.0	2.75	49	13.92	1.42
8923.0	.00	100	4.9	.0	2.79	43	13.87	1.42
8924.0	.00	100	3.7	.0	2.74	30	13.82	1.42
8925.0	.00	100	.5	.0	2.72	24	13.80	1.42
8926.0	.00	100	1.5	.0	2.73	29	13.78	1.42
8927.0	.00	100	1.7	.0	2.76	39	13.77	1.42
8928.0	.00	100	2.8	.0	2.76	42	13.75	1.42
8929.0	.00	100	3.7	.0	2.75	42	13.72	1.42
8930.0	.00	100	3.6	.0	2.75	42	13.68	1.42
8940.0	.04	100	7.5	.0	2.79	42	13.61	1.42
8941.0	.07	100	8.1	.0	2.77	37	13.54	1.42
8942.0	.37	75	10.7	.0	2.78	17	13.45	1.42
8943.0	.65	57	11.7	.3	2.72	0	13.34	1.38
8944.0	.08	100	8.3	1.8	2.69	0	13.23	1.34
8945.0	.02	100	6.3	2.1	2.69	11	13.15	1.34
8946.0	.00	100	4.0	.7	2.70	36	13.09	1.34
8947.0	.00	94	4.0	.0	2.76	46	13.06	1.34
8948.0	.00	100	4.3	.0	2.73	39	13.01	1.34
8954.0	.19	100	9.5	.0	2.65	26	12.97	1.34
8959.0	.01	100	5.3	.0	2.70	45	12.93	1.34
8960.0	.04	100	7.5	.0	2.70	22	12.87	1.34
8961.0	.06	100	7.9	.5	2.69	0	12.79	1.34
8962.0	.02	100	6.7	2.2	2.67	0	12.72	1.34
8963.0	.03	75	7.1	2.6	2.67	0	12.65	1.34
8964.0	.05	72	7.7	.0	2.72	6	12.58	1.32
8965.0	.06	70	7.9	.0	2.73	17	12.50	1.30
8966.0	.01	100	6.1	.0	2.72	23	12.42	1.28
8967.0	.00	100	4.7	.7	2.72	33	12.37	1.28
8968.0	.00	100	4.3	.0	2.74	43	12.32	1.28
8969.0	.00	100	3.2	.0	2.73	49	12.28	1.28
8977.0	.00	100	4.1	.0	2.67	46	12.25	1.28
8978.0	.00	100	2.1	.4	2.65	49	12.21	1.28
8987.0	.16	100	9.3	.0	2.79	24	12.16	1.28
8988.0	.04	100	7.3	.0	2.73	9	12.07	1.28
8989.0	.02	100	6.6	.0	2.71	6	12.01	1.28
8990.0	.03	94	7.0	.0	2.69	1	11.94	1.28
8991.0	.04	86	7.4	.0	2.69	3	11.87	1.28
8992.0	.01	100	6.2	.0	2.70	16	11.80	1.27
8993.0	.00	100	3.2	.0	2.68	46	11.74	1.27
8999.0	.01	100	6.1	.0	2.72	37	11.69	1.27

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR=FT	HC=FT
9000.0	.00	100	4.0	.0	2.70	32	11.64	1.27
9001.0	.00	100	4.4	.0	2.69	35	11.60	1.27
9002.0	.00	100	3.9	.2	2.70	35	11.56	1.27
9008.0	.01	100	5.7	.0	2.79	32	11.50	1.27
9009.0	.00	100	5.2	.0	2.72	14	11.44	1.27
9010.0	.00	100	4.4	.0	2.70	14	11.39	1.27
9011.0	.00	100	4.2	.0	2.71	19	11.35	1.27
9012.0	.00	100	4.1	.0	2.68	26	11.31	1.27
9013.0	.00	100	4.1	.0	2.69	26	11.26	1.27
9014.0	.00	100	4.7	.0	2.70	22	11.22	1.27
9015.0	.01	100	5.6	.0	2.71	16	11.17	1.27
9016.0	.01	100	5.5	.0	2.73	19	11.11	1.27
9017.0	.00	100	4.9	.0	2.72	22	11.06	1.27
9018.0	.00	100	5.0	.0	2.70	22	11.01	1.27
9019.0	.00	100	3.7	.0	2.70	22	10.96	1.27
9020.0	.00	100	3.5	.0	2.70	24	10.93	1.27
9021.0	.00	100	2.9	.0	2.68	30	10.89	1.27
9022.0	.00	100	1.7	.0	2.67	39	10.87	1.27
9023.0	.00	100	1.0	.0	2.67	40	10.85	1.27
9024.0	.00	100	1.2	.0	2.67	36	10.84	1.27
9025.0	.00	100	1.7	.0	2.66	30	10.83	1.27
9026.0	.00	100	1.8	.0	2.66	21	10.81	1.27
9027.0	.00	100	1.9	.0	2.66	21	10.79	1.27
9028.0	.00	100	1.7	.0	2.67	18	10.77	1.27
9029.0	.00	100	1.4	.0	2.67	22	10.76	1.27
9030.0	.00	100	1.0	.0	2.67	35	10.74	1.27
9031.0	.00	100	.7	.3	2.68	47	10.73	1.27
9032.0	.00	100	.1	.1	2.70	49	10.73	1.27
9033.0	.00	100	.9	.9	2.68	38	10.73	1.27
9034.0	.00	100	2.1	.6	2.65	22	10.72	1.27
9035.0	.00	100	2.5	.0	2.65	18	10.69	1.27
9036.0	.00	100	2.5	.0	2.64	19	10.67	1.27
9037.0	.00	100	2.9	.0	2.64	10	10.64	1.27
9038.0	.00	100	3.9	.4	2.64	19	10.61	1.27
9039.0	.00	100	3.9	3.0	2.64	37	10.57	1.27
9040.0	.00	100	3.5	3.5	2.64	47	10.53	1.27
9042.0	.00	100	.6	.6	2.69	48	10.50	1.27
9043.0	.00	100	.0	.0	2.76	44	10.50	1.27
9044.0	.00	100	.1	.0	2.71	34	10.50	1.27
9045.0	.00	100	1.3	.0	2.67	23	10.49	1.27
9046.0	.00	100	1.6	.1	2.66	26	10.48	1.27
9047.0	.00	100	1.6	1.5	2.66	32	10.46	1.27
9048.0	.00	100	1.1	1.1	2.66	49	10.45	1.27
9055.0	.00	100	3.6	2.3	2.64	48	10.44	1.27
9056.0	.00	100	1.1	.0	2.64	44	10.42	1.27

DEPTH FEET	PERMITS OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
9095.0	.03	100	7.1	2.9	2.73	35	10.38	1.27
9096.0	.01	100	5.8	4.4	2.68	25	10.31	1.27
9097.0	.00	100	2.1	.6	2.67	32	10.26	1.27
9098.0	.00	100	3.2	.0	2.72	33	10.24	1.27
9099.0	.00	100	4.7	.1	2.74	32	10.20	1.27
9100.0	.00	100	4.5	.9	2.74	35	10.15	1.27
9101.0	.00	100	3.5	1.5	2.71	42	10.11	1.27
9102.0	.00	100	2.9	1.1	2.71	43	10.07	1.27
9111.0	.09	100	8.5	.0	2.64	40	10.00	1.27
9143.0	.02	100	6.8	.0	2.64	42	9.92	1.27
9144.0	.05	69	7.6	.0	2.64	36	9.85	1.26
9145.0	.00	100	4.0	.0	2.64	41	9.78	1.24
9146.0	.00	100	4.1	.0	2.64	38	9.74	1.24
9147.0	.00	100	3.9	.0	2.64	44	9.70	1.24
9158.0	.00	100	3.7	.0	2.64	49	9.68	1.24
9200.0	.02	100	6.5	.2	2.77	42	9.63	1.24
9201.0	.01	100	5.8	.0	2.74	32	9.56	1.24
9202.0	.01	100	5.5	.0	2.75	28	9.51	1.24
9203.0	.07	87	8.1	.0	2.76	18	9.45	1.24
9204.0	.09	82	8.5	1.8	2.72	21	9.36	1.23
9205.0	.03	99	7.0	1.8	2.69	28	9.28	1.22
9206.0	.02	100	6.8	.7	2.70	28	9.21	1.22
9207.0	.06	100	7.9	.0	2.72	21	9.14	1.22
9208.0	.26	80	10.1	.1	2.73	15	9.06	1.21
9209.0	.26	81	10.1	.0	2.77	21	8.95	1.19
9210.0	.33	75	10.5	.0	2.75	21	8.85	1.17
9211.0	.52	68	11.3	.0	2.71	14	8.75	1.14
9212.0	.73	57	12.0	.0	2.72	11	8.63	1.11
9213.0	2.23	39	13.3	.2	2.74	5	8.51	1.05
9214.0	1.16	38	11.9	2.1	2.70	14	8.38	.97
9215.0	.27	48	10.0	4.6	2.64	26	8.27	.90
9216.0	.06	62	7.8	2.4	2.64	35	8.17	.86
9217.0	.00	100	4.9	.0	2.65	48	8.10	.84
9224.0	.00	100	5.1	.2	2.67	42	8.05	.84
9225.0	.00	100	1.9	.0	2.65	37	8.00	.84
9226.0	.00	100	1.8	.0	2.66	30	7.99	.84
9227.0	.00	100	2.4	.0	2.64	28	7.97	.84
9228.0	.00	100	4.3	.0	2.67	16	7.93	.84
9229.0	.00	100	2.5	.0	2.64	25	7.90	.84
9230.0	.00	100	1.6	.0	2.65	39	7.87	.84
9232.0	.00	100	3.0	.0	2.77	46	7.85	.84

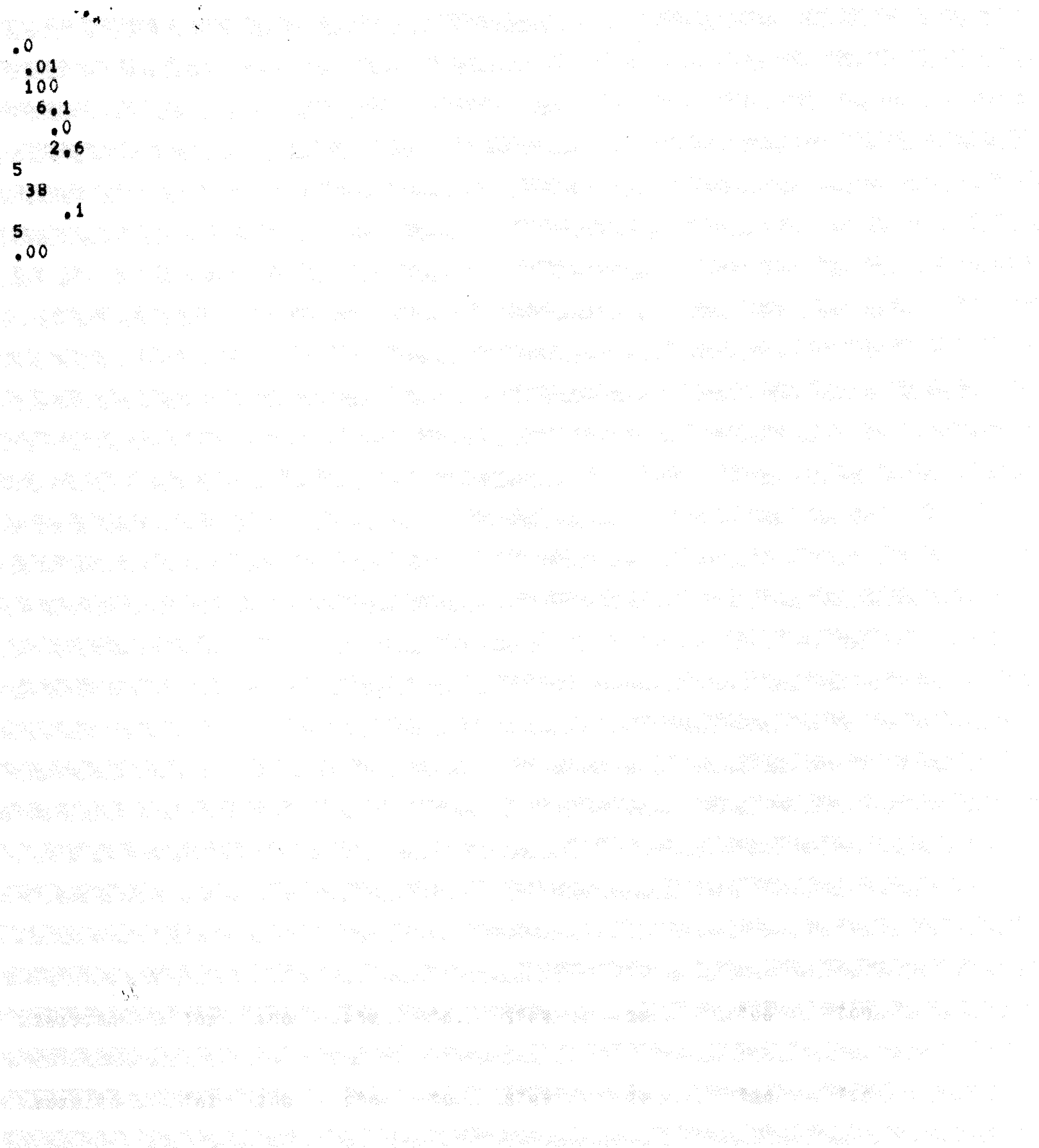
DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
9233.0	.00	100	4.8	.0	2.75	30	7.81	.84
9234.0	.00	100	2.5	.0	2.71	35	7.77	.84
9235.0	.00	100	.8	.8	2.68	46	7.75	.84
9236.0	.00	100	2.2	.2	2.71	39	7.74	.84
9237.0	.02	80	6.7	.0	2.74	7	7.71	.84
9238.0	.03	78	7.0	.0	2.71	0	7.64	.82
9239.0	.04	65	7.3	.3	2.70	0	7.57	.80
9240.0	.01	90	5.3	1.9	2.69	14	7.50	.78
9241.0	.00	100	4.6	2.3	2.70	24	7.45	.77
9242.0	.02	77	6.6	1.5	2.72	17	7.40	.77
9243.0	.02	77	6.6	1.4	2.71	17	7.33	.76
9244.0	.02	79	6.6	1.3	2.70	17	7.26	.75
9245.0	.01	96	5.4	2.7	2.69	24	7.20	.74
9246.0	.00	100	4.7	2.0	2.70	24	7.15	.74
9247.0	.01	100	5.2	.9	2.70	21	7.10	.74
9248.0	.00	100	4.8	.9	2.70	21	7.05	.74
9249.0	.00	100	4.2	.2	2.71	19	7.00	.74
9250.0	.00	100	3.9	.0	2.73	25	6.96	.74
9251.0	.00	100	3.1	.2	2.73	35	6.92	.74
9252.0	.00	100	2.6	.7	2.74	46	6.89	.74
9256.0	.00	100	2.8	.7	2.74	49	6.87	.74
9257.0	.00	100	1.8	.6	2.73	49	6.84	.74
9259.0	.00	100	1.0	1.0	2.69	49	6.83	.74
9264.0	.00	100	1.5	.0	2.65	41	6.82	.74
9277.0	.00	100	1.8	1.8	2.64	45	6.80	.74
9278.0	.00	100	2.7	2.7	2.64	42	6.78	.74
9282.0	.00	100	1.6	.0	2.65	41	6.75	.74
9283.0	.00	100	1.8	.0	2.65	39	6.73	.74
9297.0	.00	100	1.7	.0	2.65	34	6.70	.74
9298.0	.00	100	1.4	1.4	2.65	46	6.69	.74
9299.0	.00	100	1.1	1.1	2.66	47	6.67	.74
9318.0	.00	100	4.8	.0	2.76	40	6.63	.74
9319.0	.00	100	2.9	.4	2.75	47	6.59	.74
9320.0	.00	100	4.3	.0	2.77	45	6.56	.74
9321.0	.00	100	4.9	.0	2.75	40	6.51	.74
9322.0	.01	100	5.5	.0	2.70	29	6.46	.74
9323.0	.00	100	4.8	.6	2.68	29	6.41	.74
9324.0	.00	100	4.7	.7	2.67	29	6.36	.74
9325.0	.01	100	5.9	.0	2.64	27	6.32	.74
9326.0	.00	100	3.7	.0	2.64	44	6.26	.74
9341.0	.05	100	7.6	.0	2.65	49	6.24	.74

DEPTH FEET	PERM TO OIL GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
9350.0	.10	100	8.6	.0	2.78	36 6.20 .74
9351.0	.21	100	9.7	.0	2.77	13 6.11 .74
9352.0	.12	86	8.9	.0	2.74	4 6.02 .73
9353.0	.11	65	8.7	.0	2.74	2 5.93 .72
9354.0	.17	49	9.4	.0	2.74	4 5.84 .68
9355.0	.54	43	10.8	.0	2.72	4 5.74 .63
9356.0	.48	45	10.8	.0	2.72	4 5.63 .57
9357.0	.18	53	9.4	.0	2.74	7 5.53 .51
9358.0	.25	51	10.0	.0	2.76	4 5.43 .47
9359.0	.94	40	11.7	.0	2.75	0 5.33 .42
9360.0	.42	45	10.6	.3	2.71	7 5.21 .35
9361.0	.04	68	7.3	2.1	2.67	21 5.12 .30
9362.0	.00	100	3.4	2.9	2.64	41 5.05 .29
9363.0	.00	99	2.0	2.0	2.65	49 5.03 .29
9368.0	.00	91	2.6	2.3	2.66	46 5.02 .29
9369.0	.00	92	2.2	2.2	2.65	48 4.99 .29
9409.0	.00	100	4.0	.0	2.65	48 4.98 .29
9410.0	.04	100	7.3	.0	2.65	38 4.93 .29
9411.0	.02	100	6.4	.0	2.64	33 4.85 .29
9412.0	.00	100	1.5	.0	2.65	46 4.80 .29
9429.0	.00	100	3.5	.0	2.64	36 4.78 .29
9430.0	.00	100	3.0	.0	2.64	35 4.74 .29
9431.0	.00	100	1.6	.0	2.64	49 4.72 .29
9445.0	.00	100	3.3	.0	2.72	48 4.71 .29
9446.0	.00	100	2.0	.0	2.74	45 4.68 .29
9447.0	.00	100	1.0	.0	2.73	48 4.66 .29
9448.0	.00	100	2.0	.0	2.72	41 4.65 .29
9449.0	.00	100	.5	.0	2.69	43 4.63 .29
9450.0	.00	100	.7	.0	2.68	41 4.63 .29
9451.0	.00	100	1.3	.0	2.66	42 4.62 .29
9452.0	.00	100	1.2	.0	2.66	48 4.61 .29
9469.0	.00	100	4.8	.0	2.64	41 4.60 .29
9476.0	.00	100	3.8	1.4	2.64	41 4.53 .29
9477.0	.00	100	1.7	.0	2.65	34 4.50 .29
9478.0	.00	100	2.2	.0	2.64	45 4.48 .29
9486.0	.00	100	4.5	.0	2.64	42 4.44 .29
9487.0	.00	100	1.7	.0	2.64	44 4.40 .29
9488.0	.01	100	5.4	.0	2.64	23 4.38 .29
9489.0	.04	100	7.3	.0	2.64	20 4.32 .29
9490.0	.00	100	2.8	.0	2.64	45 4.25 .29

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
9499.0	.00	100	1.0	.0	2.67	49	4.24	.29
9514.0	.00	100	2.1	.0	2.64	45	4.23	.29
9515.0	.00	100	2.2	.0	2.64	30	4.21	.29
9516.0	.00	100	1.3	.0	2.66	36	4.19	.29
9524.0	.05	100	7.6	2.6	2.64	27	4.14	.29
9525.0	.00	100	.6	.0	2.69	44	4.08	.29
9530.0	.00	100	1.3	.7	2.67	35	4.07	.29
9531.0	.00	100	.5	.5	2.69	46	4.06	.29
9536.0	.00	100	1.3	.0	2.66	46	4.04	.29
9537.0	.00	100	1.1	.0	2.67	42	4.03	.29
9749.0	.01	100	5.5	.0	2.76	44	4.02	.29
9750.0	.00	100	4.6	.0	2.64	21	3.97	.29
9751.0	.00	100	5.2	.8	2.64	22	3.92	.29
9752.0	.00	100	4.6	1.5	2.64	39	3.87	.29
9753.0	.00	100	5.2	1.9	2.68	48	3.82	.29
9754.0	.01	100	5.4	.1	2.73	44	3.77	.29
9755.0	.02	100	6.8	.0	2.71	28	3.71	.29
9756.0	.05	100	7.7	.5	2.67	23	3.64	.29
9757.0	.02	100	6.4	.8	2.65	28	3.57	.29
9758.0	.01	100	5.5	.0	2.64	28	3.51	.29
9759.0	.01	100	5.9	.0	2.64	16	3.45	.29
9760.0	.05	92	7.6	.0	2.64	6	3.39	.29
9761.0	.16	49	9.2	.5	2.64	1	3.30	.27
9762.0	.05	54	7.5	.1	2.66	10	3.22	.22
9763.0	.03	63	7.2	.0	2.69	10	3.14	.19
9764.0	.07	64	8.0	1.9	2.67	14	3.07	.17
9765.0	.08	54	8.2	1.3	2.68	17	2.99	.13
9766.0	.03	74	7.0	1.4	2.67	29	2.91	.10
9767.0	.01	100	5.7	.6	2.66	33	2.84	.08
9768.0	.00	100	4.9	.0	2.68	35	2.79	.08
9769.0	.03	78	7.0	.0	2.68	29	2.73	.08
9770.0	.03	80	7.2	1.4	2.67	28	2.66	.06
9771.0	.03	70	7.2	2.1	2.69	28	2.59	.05
9772.0	.03	70	7.1	2.2	2.69	29	2.51	.03
9773.0	.00	100	4.4	2.5	2.67	42	2.45	.01
9774.0	.00	100	3.7	1.0	2.64	45	2.41	.01
9775.0	.00	100	1.7	.0	2.64	48	2.38	.01
9778.0	.01	100	5.4	.0	2.75	45	2.34	.01
9779.0	.01	100	6.0	.0	2.73	36	2.29	.01
9780.0	.02	100	6.6	.0	2.72	33	2.23	.01
9781.0	.02	100	6.5	.0	2.73	35	2.16	.01

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
9782.0	.01	100	5.6	.7	2.74	43	2.10	.01
9834.0	.04	100	7.3	.0	2.64	26	2.02	.01
9835.0	.02	100	6.6	.0	2.64	33	1.95	.01
9836.0	.00	100	5.2	.0	2.64	48	1.88	.01
9838.0	.00	100	3.4	.0	2.64	30	1.85	.01
9839.0	.00	100	4.1	.0	2.64	27	1.81	.01
9840.0	.00	100	2.4	.0	2.64	39	1.77	.01
9841.0	.00	100	1.6	.0	2.64	49	1.75	.01
9844.0	.00	100	2.5	.0	2.64	49	1.73	.01
9846.0	.01	100	5.6	.0	2.65	43	1.70	.01
9847.0	.01	100	5.3	.0	2.65	46	1.64	.01
9852.0	.01	100	6.2	.0	2.65	38	1.59	.01
9853.0	.02	100	6.8	.0	2.65	32	1.52	.01
9854.0	.02	100	6.3	.0	2.65	36	1.46	.01
9855.0	.01	100	5.4	.0	2.64	45	1.40	.01
9856.0	.01	100	5.6	.0	2.64	44	1.34	.01
9857.0	.02	100	6.4	.0	2.64	35	1.28	.01
9858.0	.02	100	6.5	.0	2.64	34	1.22	.01
9859.0	.01	100	5.5	.0	2.64	45	1.16	.01
9879.0	.00	100	3.1	.0	2.64	48	1.11	.01
9886.0	.00	100	3.7	.0	2.65	48	1.08	.01
9890.0	.00	100	2.9	.0	2.64	43	1.06	.01
9891.0	.00	100	5.1	.0	2.64	32	1.02	.01
9892.0	.00	100	4.6	.0	2.64	40	.97	.01
10036.0	.01	100	6.0	.0	2.82	39	.90	.01
10037.0	.00	100	4.1	.0	2.70	39	.84	.01
10038.0	.00	100	3.7	.0	2.69	34	.80	.01
10039.0	.00	100	3.7	.0	2.66	28	.76	.01
10040.0	.00	100	4.9	.3	2.64	18	.73	.01
10041.0	.00	100	5.1	.0	2.64	25	.68	.01
10042.0	.00	100	3.7	.0	2.64	41	.63	.01
10043.0	.00	100	4.4	.0	2.65	49	.59	.01
10044.0	.01	100	5.5	.0	2.65	44	.54	.01
10045.0	.00	100	5.1	.0	2.64	48	.49	.01
10087.0	.00	100	5.0	.0	2.64	49	.46	.01
10088.0	.00	51	5.1	.0	2.64	49	.41	.01
10089.0	.00	100	5.2	.0	2.65	48	.39	.00
10100.0	.02	100	6.8	.0	2.64	32	.31	.00

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
10101.0	.01	100	6.0	.0	2.64	16	.24	.00
10102.0	.00	100	3.5	.0	2.64	36	.18	.00
10110.0	.01	100	6.1	.0	2.65	38	.15	.00
10111.0	.02	100	6.4	.0	2.65	36	.09	.00
10112.0	.00	100	5.1	.0	2.64	48	.03	.00



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* SCHLUMBERGER *

HUSKY OIL COMPANY

GRIFFITHS NO. 1 - 33

ALTAMONT

DUCHESNE

UTAH

6 - 29 - 74

HOUSTON LOG INTERPRETATION CENTER

CORIBAND JOB

THIS JOB IS IN FEET

THE INTERVAL FOR THIS JOB IS BOTTOM TO TOP

FREQUENCY OF LISTING IS 1 FOOT

DISCRIMINATION MADE ON LISTING IS FROM VSH = 50

PERMEABILITY IS FROM THE E-4 EQUATION

THE CONSTANT IN THE EQUATION IS 250.

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
10279.0	.01	100	5.8	5.0	2.65	39	28.64	2.89
10287.0	.56	62	11.4	2.9	2.65	23	28.55	2.89
10288.0	.42	63	10.9	3.7	2.65	24	28.43	2.84
10293.0	.18	82	9.5	5.0	2.65	36	28.34	2.81
10294.0	.08	85	8.3	4.0	2.65	43	28.24	2.79
10295.0	.05	76	7.5	.0	2.65	49	28.20	2.79
10296.0	.07	78	8.0	.0	2.65	46	28.12	2.77
10297.0	.03	100	6.9	2.1	2.65	49	28.05	2.76
10352.0	.03	100	6.9	.0	2.73	42	28.01	2.76
10353.0	.01	100	5.4	3.2	2.69	40	27.94	2.76
10354.0	.00	100	3.9	2.7	2.65	43	27.89	2.76
10370.0	.01	100	5.3	2.9	2.66	46	27.87	2.76
10371.0	.04	94	7.3	.8	2.67	29	27.82	2.76
10372.0	.01	100	5.4	1.4	2.66	33	27.75	2.75
10373.0	.00	100	3.2	1.2	2.68	42	27.70	2.75
10374.0	.00	100	3.5	.0	2.70	46	27.67	2.75
10375.0	.01	100	5.5	.0	2.73	42	27.63	2.75
10376.0	.02	100	6.8	.2	2.70	33	27.57	2.75
10377.0	.08	83	8.3	2.0	2.67	21	27.50	2.75
10378.0	.26	60	10.0	3.8	2.65	13	27.41	2.73
10379.0	.49	53	11.2	4.0	2.65	5	27.31	2.69
10380.0	.20	64	9.6	1.5	2.65	15	27.20	2.64
10381.0	.03	84	7.2	1.4	2.65	36	27.11	2.61
10382.0	.03	95	6.9	.0	2.68	36	27.04	2.60
10383.0	.00	100	4.6	.0	2.67	46	26.97	2.60
10384.0	.00	100	4.3	.1	2.65	49	26.95	2.60
10385.0	.05	100	7.6	.0	2.65	38	26.90	2.60
10386.0	.17	86	9.4	.0	2.65	30	26.82	2.60
10387.0	.14	90	9.1	.0	2.65	26	26.72	2.58
10388.0	.08	99	8.2	1.4	2.65	23	26.64	2.58
10389.0	.01	100	6.1	3.3	2.65	30	26.56	2.58
10390.0	.00	100	3.0	1.3	2.66	42	26.50	2.58
10391.0	.00	100	3.8	.0	2.69	38	26.48	2.58
10392.0	.00	100	4.7	1.3	2.67	34	26.44	2.58
10393.0	.01	100	5.3	2.1	2.65	30	26.39	2.58
10394.0	.01	100	6.0	1.8	2.65	32	26.33	2.58
10397.0	.01	100	6.0	.3	2.69	38	26.25	2.58
10398.0	.00	100	4.2	.7	2.67	38	26.19	2.58
10399.0	.01	100	5.4	.0	2.69	34	26.15	2.58
10400.0	.00	100	4.2	1.5	2.65	43	26.10	2.58
10403.0	.04	98	7.3	.4	2.65	47	26.03	2.58

DEPTH FEET	PERM. OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
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10407.0	.14	90	9.1	1.3	2.70	25	25.95	2.58
10408.0	.07	88	8.1	3.1	2.66	21	25.86	2.57
10409.0	.05	84	7.5	2.1	2.67	17	25.78	2.55
10410.0	.01	100	5.7	3.1	2.65	25	25.71	2.55
10411.0	.00	100	4.1	3.2	2.65	36	25.66	2.55
10412.0	.00	100	3.3	2.0	2.65	43	25.62	2.55
10420.0	.01	100	6.1	2.1	2.70	46	25.59	2.55
10421.0	.00	100	4.9	4.3	2.65	46	25.53	2.55
10422.0	.00	100	4.6	2.3	2.65	46	25.48	2.55
10433.0	.01	100	5.8	1.1	2.65	46	25.42	2.55
10435.0	.03	94	7.1	.0	2.72	42	25.36	2.55
10436.0	.04	100	7.4	.0	2.70	42	25.29	2.54
10440.0	.11	96	8.7	.0	2.74	42	25.22	2.54
10441.0	.31	70	10.4	.0	2.73	29	25.13	2.53
10442.0	.21	61	9.8	.3	2.69	23	25.02	2.50
10443.0	.04	80	7.4	1.1	2.67	29	24.93	2.46
10444.0	.01	100	5.3	2.9	2.67	41	24.87	2.46
10448.0	.04	90	7.4	.0	2.68	47	24.84	2.46
10449.0	.06	91	7.9	.0	2.68	33	24.76	2.45
10450.0	.01	100	6.2	2.5	2.65	29	24.69	2.45
10451.0	.01	100	5.5	1.4	2.65	29	24.63	2.45
10452.0	.00	100	3.1	1.7	2.65	43	24.58	2.45
10475.0	.00	100	4.5	.0	2.68	46	24.56	2.45
10476.0	.02	100	6.7	.2	2.71	30	24.51	2.45
10477.0	.00	100	4.5	1.2	2.68	34	24.45	2.45
10478.0	.00	100	5.1	.4	2.65	34	24.41	2.45
10479.0	.03	100	6.9	.8	2.65	35	24.35	2.45
10480.0	.01	100	6.1	.6	2.65	43	24.28	2.45
10485.0	.01	100	5.4	.0	2.67	47	24.22	2.45
10486.0	.09	87	8.5	.0	2.65	31	24.16	2.45
10487.0	.08	98	8.3	.0	2.65	28	24.07	2.43
10488.0	.02	100	6.5	2.5	2.65	37	23.99	2.43
10573.0	.07	100	8.0	.0	2.78	44	23.93	2.43
10574.0	.01	100	5.6	.0	2.76	40	23.85	2.43
10590.0	.00	100	4.3	.0	2.76	48	23.81	2.43
10596.0	.08	100	8.2	.0	2.78	45	23.79	2.43
10597.0	.03	100	6.9	.0	2.74	41	23.70	2.43

DEPTH FEET	PERM. OIL-GAS (INDEX)	TO WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT

10603.0	.37	90	10.7	.0	2.80	28	23.64	2.43
10604.0	2.77	55	14.9	.0	2.76	0	23.52	2.41
10605.0	.37	70	10.7	.0	2.68	0	23.38	2.35
10606.0	.01	100	5.5	.0	2.63	4	23.28	2.33
10607.0	.00	100	.2	.0	2.63	18	23.24	2.33
10608.0	.00	100	.1	.0	2.64	49	23.24	2.33
10610.0	.00	100	3.5	.0	2.67	45	23.22	2.33
10611.0	.00	100	4.2	.0	2.69	45	23.18	2.33
10612.0	.01	100	5.3	.0	2.73	37	23.13	2.33
10613.0	.00	100	3.1	.0	2.73	41	23.09	2.33
10616.0	.01	100	5.9	.0	2.69	41	23.03	2.33
10617.0	.02	100	6.3	.0	2.68	29	22.97	2.33
10618.0	.02	100	6.3	.0	2.66	24	22.91	2.33
10619.0	.03	100	6.8	.0	2.66	18	22.85	2.33
10620.0	.05	95	7.7	.0	2.69	8	22.78	2.33
10621.0	.03	100	7.0	.0	2.72	4	22.70	2.33
10622.0	.02	100	6.3	.0	2.73	8	22.63	2.33
10623.0	.00	100	3.2	.0	2.72	24	22.57	2.33
10624.0	.00	100	.0	.0	2.69	49	22.55	2.33
10631.0	.07	100	8.1	.0	2.78	37	22.51	2.33
10632.0	.00	100	2.7	.0	2.74	41	22.44	2.33
10647.0	.01	100	5.2	.0	2.83	45	22.41	2.33
10648.0	.06	100	8.0	.0	2.82	24	22.35	2.33
10649.0	.01	100	5.7	.0	2.80	16	22.27	2.33
10650.0	.00	100	.0	.0	2.80	37	22.23	2.33
10706.0	.07	100	8.1	.0	2.78	45	22.23	2.33
10707.0	.04	100	7.3	.0	2.75	39	22.15	2.33
10708.0	.01	100	6.1	.2	2.71	45	22.08	2.33
10709.0	.01	100	5.7	2.2	2.67	49	22.02	2.33
10729.0	.07	95	8.1	3.2	2.75	45	21.91	2.33
10746.0	.03	100	7.2	.0	2.71	39	21.85	2.33
10747.0	.06	100	7.9	1.0	2.68	37	21.77	2.33
10748.0	.01	100	5.3	1.1	2.65	44	21.70	2.33
10749.0	.00	100	4.1	.0	2.65	49	21.65	2.33
10750.0	.00	100	5.2	.0	2.69	48	21.63	2.33
10755.0	.01	100	5.2	.0	2.75	41	21.58	2.33
10756.0	.00	100	4.4	.0	2.74	42	21.52	2.33
10758.0	.00	100	4.6	.0	2.69	35	21.47	2.33

DEPTH FEET	PERM. OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
10759.0	.00	100	4.2 .0	2.72	29	21.42 2.33
10760.0	.00	100	2.7 .2	2.70	29	21.39 2.33
10761.0	.00	100	1.5 .0	2.71	33	21.36 2.33
10762.0	.00	100	.4 .0	2.70	45	21.35 2.33
10763.0	.00	100	1.8 .0	2.68	46	21.35 2.33
10764.0	.00	100	3.0 .3	2.67	44	21.33 2.33
10765.0	.00	100	4.0 .0	2.69	40	21.29 2.33
10766.0	.00	100	4.3 .4	2.71	42	21.25 2.33
10767.0	.00	100	4.8 .0	2.73	46	21.21 2.33
10768.0	.02	100	6.7 .0	2.75	42	21.15 2.33
10769.0	.11	94	8.7 .0	2.73	37	21.08 2.33
10770.0	.08	92	8.3 .1	2.67	42	20.99 2.32
10771.0	.03	100	7.1 2.2	2.65	45	20.91 2.32
10776.0	.01	100	5.9 1.2	2.66	39	20.85 2.32
10777.0	.00	100	2.5 1.5	2.66	49	20.80 2.32
10781.0	.01	100	6.3 .0	2.75	37	20.77 2.32
10782.0	.08	100	8.2 .0	2.74	20	20.69 2.32
10783.0	.01	100	5.6 2.9	2.69	29	20.62 2.32
10784.0	.00	100	5.0 2.5	2.66	39	20.57 2.32
10785.0	.04	100	7.2 2.2	2.65	37	20.51 2.32
10786.0	.07	100	8.1 2.4	2.65	35	20.44 2.32
10787.0	.05	100	7.7 1.3	2.65	32	20.36 2.32
10788.0	.01	100	5.4 .8	2.65	40	20.29 2.32
10800.0	.00	100	3.6 1.1	2.65	41	20.24 2.32
10801.0	.00	100	1.4 1.4	2.65	48	20.21 2.32
10808.0	.00	100	.9 .9	2.67	47	20.19 2.32
10809.0	.00	100	1.3 .0	2.67	33	20.18 2.32
10810.0	.00	100	1.4 1.1	2.66	36	20.17 2.32
10811.0	.00	100	1.6 1.6	2.65	39	20.16 2.32
10835.0	.00	100	2.4 2.4	2.65	46	20.13 2.32
10841.0	.00	100	1.0 1.0	2.67	48	20.12 2.32
10859.0	.01	100	5.4 1.8	2.65	43	20.08 2.32
10860.0	.00	100	4.0 2.1	2.65	45	20.03 2.32
10869.0	.00	100	4.1 .3	2.66	45	20.01 2.32
10870.0	.00	100	3.5 2.3	2.65	33	19.97 2.32
10871.0	.00	100	3.4 1.5	2.67	29	19.94 2.32
10872.0	.01	100	5.5 2.8	2.67	21	19.90 2.32
10873.0	.02	100	6.7 4.8	2.68	12	19.84 2.32
10874.0	.00	100	3.7 3.7	2.69	23	19.78 2.32
10875.0	.00	100	1.4 1.4	2.66	35	19.75 2.32

DEPTH FEET	PERM.TO, OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
10876.0	.00	100	1.6	.0	2.66	34	19.73	2.32
10877.0	.00	100	3.2	.0	2.65	34	19.71	2.32
10878.0	.00	100	3.8	.4	2.65	44	19.68	2.32
10884.0	.01	100	5.4	2.0	2.65	43	19.66	2.32
10893.0	.02	100	6.7	.0	2.72	48	19.61	2.32
10894.0	.06	100	7.8	.0	2.72	40	19.54	2.32
10895.0	.11	100	8.8	.0	2.72	28	19.46	2.32
10896.0	.06	100	8.0	1.2	2.70	28	19.37	2.32
10897.0	.12	100	8.9	1.2	2.71	25	19.29	2.32
10898.0	.12	100	8.9	1.4	2.71	25	19.20	2.32
10899.0	.04	100	7.2	3.2	2.69	36	19.12	2.32
10939.0	.20	98	9.6	5.4	2.65	33	19.01	2.32
10940.0	.11	98	8.8	2.1	2.65	21	18.92	2.31
10941.0	.02	100	6.8	.6	2.65	38	18.84	2.31
10942.0	.06	100	7.9	1.1	2.65	33	18.77	2.31
10943.0	.03	100	6.8	2.3	2.66	33	18.69	2.31
10976.0	.00	100	4.7	3.4	2.65	36	18.60	2.31
10987.0	.02	100	6.8	.0	2.68	45	18.56	2.31
10988.0	.02	100	6.6	.0	2.65	41	18.49	2.31
10989.0	.00	100	4.1	.0	2.65	48	18.43	2.31
10990.0	.00	100	5.2	.0	2.71	39	18.38	2.31
10991.0	.00	100	4.8	.0	2.74	37	18.33	2.31
10992.0	.00	100	3.6	.0	2.74	35	18.29	2.31
10993.0	.00	100	1.1	1.1	2.69	46	18.25	2.31
10994.0	.00	100	1.5	.0	2.65	44	18.24	2.31
10995.0	.00	100	2.5	.0	2.65	49	18.23	2.31
10996.0	.00	100	4.7	2.2	2.68	40	18.19	2.31
10997.0	.00	100	4.1	4.1	2.65	38	18.15	2.31
10998.0	.00	100	2.8	2.8	2.65	45	18.11	2.31
11002.0	.13	94	8.9	.0	2.65	34	18.07	2.31
11003.0	.32	79	10.4	1.3	2.65	27	17.97	2.30
11004.0	.08	97	8.3	1.3	2.65	32	17.87	2.28
11005.0	.14	87	9.1	.0	2.65	21	17.79	2.28
11006.0	.16	89	9.3	.0	2.65	16	17.69	2.27
11007.0	.04	100	7.3	.0	2.65	23	17.60	2.26
11008.0	.00	100	4.3	.0	2.65	42	17.54	2.26
11011.0	.03	100	6.9	.0	2.69	48	17.52	2.26
11012.0	.07	100	8.0	.0	2.71	38	17.45	2.26
11013.0	.17	100	9.4	.0	2.73	29	17.36	2.26
11014.0	.18	100	9.4	.0	2.71	25	17.27	2.26
11015.0	.03	100	6.8	.0	2.65	28	17.18	2.26

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
11016.0	.00	100	5.0	.1	2.65	34	17.11	2.26
11017.0	.00	100	4.3	.5	2.65	41	17.06	2.26
11032.0	.10	100	8.6	.0	2.81	42	16.98	2.26
11033.0	.01	100	6.2	2.1	2.71	48	16.90	2.26
11034.0	.00	100	4.4	.0	2.67	46	16.84	2.26
11035.0	.05	100	7.6	.0	2.69	35	16.79	2.26
11036.0	.25	100	10.0	.0	2.68	19	16.71	2.26
11037.0	.71	78	11.9	.0	2.65	0	16.61	2.26
11038.0	.14	100	9.1	.0	2.63	0	16.50	2.24
11039.0	.01	100	6.2	2.4	2.65	12	16.41	2.24
11040.0	.00	100	2.2	2.2	2.65	38	16.36	2.24
11041.0	.00	100	3.5	2.0	2.72	46	16.34	2.24
11042.0	.03	100	7.0	2.3	2.85	46	16.30	2.24
11043.0	.06	100	7.8	2.1	2.95	47	16.22	2.24
11044.0	.15	100	9.2	2.1	2.95	38	16.15	2.24
11045.0	.09	100	8.4	5.7	2.84	38	16.05	2.24
11073.0	.70	100	11.9	.0	2.72	15	15.93	2.24
11074.0	.47	93	11.1	.9	2.67	0	15.81	2.24
11075.0	.05	100	7.6	4.3	2.65	6	15.71	2.24
11076.0	.00	100	2.9	2.9	2.65	30	15.64	2.24
11088.0	.09	100	8.5	.0	2.64	43	15.62	2.24
11090.0	.01	100	5.2	.0	2.71	38	15.53	2.24
11091.0	.00	100	3.8	3.8	2.67	38	15.48	2.24
11092.0	.00	100	2.6	2.6	2.65	37	15.45	2.24
11093.0	.00	100	1.4	.0	2.66	38	15.43	2.24
11094.0	.00	100	2.1	.0	2.68	32	15.41	2.24
11095.0	.00	100	3.1	.9	2.67	30	15.39	2.24
11096.0	.00	100	1.6	1.1	2.65	37	15.36	2.24
11097.0	.00	100	1.1	.0	2.67	46	15.35	2.24
11111.0	.00	100	5.2	.0	2.65	40	15.32	2.24
11112.0	.00	100	4.3	.0	2.65	45	15.27	2.24
11114.0	.01	100	5.5	2.2	2.65	42	15.25	2.24
11115.0	.13	100	8.9	7.7	2.65	34	15.18	2.24
11116.0	.06	100	7.8	.8	2.65	47	15.09	2.24
11118.0	.17	100	9.4	.0	2.65	29	15.01	2.24
11119.0	.27	100	10.1	.3	2.65	16	14.92	2.24
11120.0	.12	100	8.9	.0	2.64	40	14.81	2.24
11140.0	.01	100	5.7	.0	2.70	47	14.74	2.24
11163.0	.32	100	10.4	.0	2.65	27	14.64	2.24

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
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11164.0	.25	100	10.0	1.5	2.65	20	14.53	2.24
11165.0	.05	100	7.7	.0	2.65	30	14.44	2.24
11189.0	.03	100	6.8	.0	2.92	47	14.38	2.24
11190.0	.04	100	7.3	.0	2.84	30	14.31	2.24
11191.0	.03	94	7.1	.0	2.80	24	14.24	2.24
11192.0	.02	97	6.3	.0	2.79	19	14.17	2.23
11193.0	.00	100	5.2	.0	2.77	22	14.11	2.23
11194.0	.00	100	4.6	.0	2.76	28	14.06	2.23
11195.0	.00	100	4.1	.0	2.77	33	14.02	2.23
11196.0	.01	100	5.6	.0	2.77	26	13.97	2.23
11197.0	.01	100	5.6	.0	2.74	19	13.92	2.23
11198.0	.00	100	4.0	.0	2.72	27	13.87	2.23
11199.0	.00	100	4.3	.0	2.73	33	13.83	2.23
11200.0	.00	100	3.3	.0	2.71	43	13.78	2.23
11216.0	.03	100	7.2	.0	2.71	44	13.77	2.23
11217.0	.20	90	9.7	.0	2.75	25	13.69	2.23
11218.0	.20	81	9.7	.0	2.74	25	13.59	2.22
11219.0	.20	71	9.7	.0	2.72	25	13.49	2.20
11220.0	.45	60	11.0	.0	2.72	15	13.39	2.17
11221.0	.72	53	11.9	.0	2.70	8	13.28	2.12
11222.0	.04	94	7.3	.0	2.68	16	13.17	2.08
11223.0	.00	100	4.2	.0	2.63	36	13.11	2.08
11235.0	.09	83	8.5	.0	2.77	34	13.02	2.07
11236.0	.12	76	8.9	.0	2.76	22	12.94	2.06
11237.0	.19	64	9.5	.0	2.74	15	12.84	2.03
11238.0	.14	62	9.1	.0	2.74	15	12.75	1.99
11239.0	.10	60	8.6	.0	2.73	19	12.66	1.96
11240.0	.08	69	8.3	.0	2.71	18	12.57	1.93
11241.0	.01	100	5.2	.0	2.67	31	12.49	1.91
11242.0	.01	100	5.7	.0	2.64	42	12.44	1.91
11244.0	.03	100	6.9	.0	2.71	46	12.35	1.91
11245.0	.06	97	7.8	.0	2.74	39	12.28	1.91
11246.0	.08	86	8.3	.0	2.70	36	12.20	1.91
11247.0	.34	64	10.5	.0	2.71	18	12.11	1.89
11248.0	.90	49	12.3	.0	2.73	4	12.00	1.84
11249.0	1.15	43	12.3	.0	2.73	0	11.87	1.78
11250.0	.11	52	8.7	.0	2.72	8	11.75	1.71
11251.0	.02	75	6.5	.0	2.66	30	11.68	1.68
11252.0	.00	100	4.0	.0	2.63	46	11.61	1.67
11284.0	.03	100	6.9	.0	2.76	43	11.59	1.67
11285.0	.19	77	9.6	.0	2.79	20	11.52	1.66
11286.0	.05	83	7.7	.0	2.80	20	11.42	1.64
11287.0	.00	100	.5	.0	2.81	33	11.36	1.63

DEPTH FEET	PERM. OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
11288.0	.00	100	.0	.0	2.90	46	11.36	1.63
11292.0	.00	100	1.0	.0	2.71	46	11.34	1.63
11293.0	.00	100	.0	.0	2.64	47	11.34	1.63
11294.0	.00	100	1.2	.0	2.67	37	11.33	1.63
11295.0	.00	100	.2	.0	2.68	36	11.32	1.63
11296.0	.00	100	.0	.0	2.68	44	11.32	1.63
11308.0	.03	98	7.0	.0	2.80	34	11.29	1.63
11309.0	.00	100	4.9	.0	2.76	37	11.22	1.63
11312.0	.04	71	7.2	.0	2.79	44	11.20	1.63
11313.0	.03	83	6.9	.0	2.67	24	11.11	1.60
11314.0	.00	100	2.1	.0	2.64	47	11.06	1.59
11341.0	.04	89	7.3	.0	2.83	44	11.05	1.59
11342.0	.10	69	8.6	.0	2.78	33	10.97	1.58
11343.0	.16	61	9.3	.0	2.74	23	10.88	1.55
11344.0	.05	68	7.8	.0	2.72	27	10.79	1.52
11345.0	.02	74	6.8	.0	2.71	27	10.72	1.50
11346.0	.04	74	7.4	.0	2.72	17	10.65	1.48
11347.0	.04	70	7.4	.0	2.73	10	10.57	1.46
11348.0	.07	58	8.1	.0	2.73	8	10.50	1.43
11349.0	.00	100	3.4	.0	2.73	6	10.43	1.42
11350.0	.00	100	1.3	.0	2.74	20	10.40	1.42
11351.0	.00	100	3.1	.0	2.69	37	10.39	1.42
11352.0	.00	100	3.2	.0	2.66	39	10.35	1.42
11353.0	.00	100	4.6	.0	2.69	27	10.32	1.42
11354.0	.03	99	7.0	.0	2.72	10	10.27	1.42
11355.0	.01	93	6.0	.0	2.75	3	10.20	1.41
11356.0	.00	100	3.8	.0	2.74	8	10.15	1.41
11357.0	.01	71	5.3	.0	2.74	10	10.11	1.40
11358.0	.00	97	4.1	.0	2.75	10	10.05	1.39
11359.0	.00	100	1.0	.0	2.78	23	10.02	1.39
11360.0	.00	100	.0	.0	2.86	47	10.01	1.39
11374.0	.13	85	8.9	.0	2.87	31	9.98	1.39
11375.0	.55	62	11.4	.0	2.79	10	9.88	1.37
11376.0	.16	62	9.3	.0	2.72	10	9.77	1.32
11377.0	.03	95	6.9	.0	2.66	27	9.68	1.30
11406.0	.00	100	.0	.0	2.67	41	9.60	1.30
11407.0	.00	100	.0	.0	2.66	28	9.60	1.30
11408.0	.00	100	.0	.0	2.65	39	9.60	1.30
11409.0	.00	100	3.9	.0	2.63	47	9.59	1.30
11412.0	.00	100	4.0	.0	2.63	44	9.55	1.30
11422.0	.02	100	6.4	.0	2.73	44	9.52	1.30

DEPTH FEET	PERM. OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
11423.0	.06	100	7.8	.0	2.76	24	9.45	1.30
11424.0	.04	88	7.4	.0	2.77	10	9.37	1.30
11425.0	.00	98	4.4	.0	2.73	7	9.30	1.29
11426.0	.00	100	2.2	.0	2.68	12	9.27	1.29
11427.0	.00	100	2.1	.0	2.63	15	9.25	1.29
11428.0	.00	100	.0	.0	2.63	35	9.23	1.29
11439.0	.09	82	8.5	.0	2.69	34	9.20	1.29
11440.0	.00	100	2.9	.0	2.69	27	9.12	1.28
11459.0	.00	100	1.1	.0	2.67	37	9.10	1.28
11460.0	.00	100	1.0	.0	2.67	36	9.09	1.28
11461.0	.00	100	.4	.0	2.69	48	9.08	1.28
11465.0	.02	100	6.3	.0	2.83	37	9.05	1.28
11466.0	.09	79	8.4	.0	2.83	22	8.98	1.27
11467.0	.12	73	8.9	.0	2.78	14	8.90	1.25
11468.0	.03	90	7.0	.0	2.75	15	8.81	1.23
11469.0	.01	92	6.0	.0	2.71	20	8.74	1.23
11470.0	.01	100	5.3	.0	2.69	31	8.69	1.23
11471.0	.00	100	4.1	.0	2.66	48	8.63	1.23
11477.0	.01	100	6.2	.0	2.74	39	8.61	1.23
11478.0	.05	100	7.5	.0	2.75	20	8.55	1.23
11479.0	.12	77	8.9	.0	2.74	10	8.47	1.22
11480.0	.06	67	7.9	.0	2.73	17	8.38	1.20
11481.0	.03	75	7.0	.0	2.73	23	8.31	1.17
11482.0	.04	100	7.3	.0	2.72	27	8.23	1.16
11483.0	.01	100	5.9	.0	2.67	44	8.17	1.16
11496.0	.00	100	3.4	.0	2.79	45	8.14	1.16
11497.0	.01	100	6.1	.0	2.78	20	8.10	1.16
11498.0	.02	84	6.8	.0	2.75	13	8.03	1.16
11499.0	.00	93	5.2	.0	2.71	23	7.97	1.15
11500.0	.01	81	6.0	.0	2.71	27	7.91	1.15
11501.0	.02	84	6.3	.0	2.70	29	7.85	1.14
11502.0	.01	84	5.9	.0	2.69	27	7.79	1.13
11503.0	.01	86	5.5	.0	2.69	17	7.73	1.12
11504.0	.00	100	4.3	.0	2.73	10	7.68	1.11
11505.0	.00	100	2.9	.0	2.74	13	7.64	1.11
11506.0	.00	100	1.6	.0	2.72	24	7.62	1.11
11507.0	.00	100	1.8	.0	2.73	32	7.60	1.11
11508.0	.00	100	1.3	.0	2.74	47	7.58	1.11
11515.0	.00	100	3.9	.0	2.79	41	7.57	1.11
11516.0	.01	100	5.8	.0	2.79	17	7.53	1.11
11517.0	.02	84	6.6	.0	2.75	0	7.47	1.11
11518.0	.00	88	5.1	.0	2.73	7	7.41	1.10

DEPTH FEET	PERM. OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT

11519.0	.00	77	5.1	.0	2.74	13	7.36	1.09
11520.0	.02	62	6.5	.0	2.76	15	7.30	1.08
11521.0	.07	54	8.2	.0	2.74	17	7.23	1.05
11522.0	.17	53	9.3	.0	2.73	17	7.15	1.01
11523.0	.05	65	7.7	.0	2.68	30	7.06	.97
11524.0	.00	100	3.7	.0	2.65	47	6.99	.95
11534.0	.00	100	.8	.0	2.68	41	6.97	.95
11537.0	.00	100	2.8	.0	2.76	48	6.96	.95
11538.0	.01	91	5.3	.0	2.76	24	6.92	.95
11539.0	.01	85	5.3	.0	2.73	11	6.87	.94
11540.0	.00	78	5.1	.0	2.70	13	6.82	.94
11541.0	.01	63	6.0	.0	2.68	17	6.77	.92
11542.0	.02	60	6.7	.0	2.67	17	6.70	.90
11543.0	.04	57	7.3	.0	2.67	15	6.63	.87
11544.0	.03	59	7.0	.0	2.65	18	6.56	.84
11545.0	.02	59	6.7	.0	2.65	18	6.49	.81
11546.0	.02	68	6.4	.0	2.65	21	6.43	.79
11547.0	.00	99	4.4	.4	2.65	37	6.37	.77
11552.0	.02	95	6.8	.0	2.77	30	6.30	.77
11553.0	.06	76	7.9	1.8	2.75	7	6.23	.76
11554.0	.01	77	6.2	2.0	2.75	7	6.15	.74
11555.0	.00	97	3.9	.7	2.75	17	6.09	.73
11556.0	.00	100	1.0	.3	2.70	37	6.06	.73
11557.0	.00	100	.5	.0	2.69	49	6.05	.73
11559.0	.00	100	4.1	.0	2.75	41	6.05	.73
11560.0	.01	100	5.6	.0	2.72	27	6.00	.73
11561.0	.00	100	3.7	.0	2.67	32	5.95	.73
11562.0	.00	100	2.3	.0	2.67	34	5.92	.73
11563.0	.00	100	1.1	.8	2.67	39	5.90	.73
11569.0	.01	100	5.3	.0	2.79	40	5.87	.73
11570.0	.01	100	6.2	.0	2.76	32	5.81	.73
11571.0	.00	100	4.2	.0	2.71	40	5.75	.73
11573.0	.00	100	.9	.6	2.67	47	5.72	.73
11574.0	.00	100	.9	.9	2.68	41	5.71	.73
11575.0	.00	100	.9	.0	2.68	36	5.70	.73
11601.0	.01	100	6.2	.0	2.84	46	5.69	.73
11602.0	.02	100	6.7	.0	2.74	29	5.62	.73
11603.0	.00	100	4.2	1.5	2.70	29	5.56	.73
11604.0	.00	100	1.1	1.1	2.69	36	5.53	.73
11605.0	.00	100	.4	.4	2.70	39	5.52	.73
11606.0	.00	100	.6	.6	2.69	42	5.52	.73

DEPTH FEET	PERM. OIL-GAS (INDEX)	TO WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT	
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11607.0	.00	100	1.4	1.4	2.65	47	5.51	.73
11608.0	.00	100	3.0	.6	2.66	44	5.49	.73
11609.0	.00	100	2.9	1.2	2.70	43	5.46	.73
11617.0	.06	88	7.8	.0	2.77	27	5.41	.73
11618.0	.17	73	9.4	.0	2.76	3	5.33	.72
11619.0	.02	87	6.3	2.1	2.72	10	5.24	.70
11620.0	.00	100	1.1	1.1	2.67	35	5.19	.69
11621.0	.00	100	1.5	.4	2.65	48	5.18	.69
11625.0	.00	100	.8	.8	2.68	48	5.17	.69
11639.0	.05	100	7.6	.0	2.84	34	5.13	.69
11640.0	.03	100	7.0	.0	2.78	34	5.06	.69
11641.0	.00	100	4.3	.0	2.71	49	4.99	.69
11649.0	.02	100	6.6	.0	2.77	41	4.94	.69
11650.0	.01	99	5.9	.0	2.76	37	4.87	.69
11651.0	.01	90	5.9	.0	2.74	31	4.81	.69
11652.0	.00	100	4.8	.4	2.70	30	4.75	.69
11653.0	.00	100	1.1	.0	2.67	47	4.72	.69
11654.0	.00	100	.9	.0	2.67	47	4.71	.69
11656.0	.00	100	2.0	.7	2.69	41	4.69	.69
11666.0	.00	100	3.7	.0	2.76	42	4.67	.69
11667.0	.01	100	5.4	.0	2.77	28	4.63	.69
11668.0	.00	100	2.1	.0	2.72	44	4.58	.69
11672.0	.02	100	6.5	.0	2.93	47	4.57	.69
11673.0	.00	100	4.5	.0	2.81	43	4.51	.69
11674.0	.00	100	5.2	.0	2.74	30	4.47	.69
11675.0	.01	92	6.2	.0	2.73	12	4.41	.69
11676.0	.00	100	3.7	.6	2.69	25	4.35	.68
11677.0	.00	100	.4	.0	2.69	43	4.32	.68
11691.0	.00	100	1.7	.0	2.75	47	4.32	.68
11698.0	.00	100	1.2	.0	2.78	49	4.31	.68
11699.0	.00	100	2.0	.0	2.77	42	4.29	.68
11700.0	.00	100	2.7	1.7	2.76	47	4.27	.68
11705.0	.03	100	7.1	4.8	2.74	44	4.22	.68
11706.0	.00	100	2.6	2.6	2.65	43	4.17	.68
11716.0	.09	98	8.5	2.2	2.65	28	4.12	.68
11717.0	.03	100	7.1	2.5	2.65	45	4.03	.68
11752.0	.00	100	4.7	.0	2.78	47	4.00	.68

DEPTH PERM. IS WATER POROSITY MATRIX SHALE CUMULATIVE
OIL-GAS SAT. TOTAL SEC. DENSITY VOLUME INTEGRATIONS
FEET (INDEX) % % % GM/CC % POR-FT HC-FT

11753.0	.01	92	5.8	.0	2.80	40	3.94	.68
11754.0	.00	100	4.9	.0	2.78	39	3.89	.68
11755.0	.00	100	2.6	.0	2.75	42	3.84	.68
11761.0	.00	100	3.6	.0	2.82	46	3.82	.68
11762.0	.02	100	6.3	.0	2.82	35	3.78	.68
11763.0	.10	76	8.5	.0	2.84	30	3.71	.67
11764.0	.11	74	8.7	.7	2.90	33	3.62	.65
11765.0	.04	94	7.3	4.2	3.00	43	3.54	.63
11776.0	.00	100	5.2	.0	2.72	47	3.50	.63
11777.0	.05	91	7.6	.0	2.72	32	3.44	.63
11778.0	.04	91	7.4	.7	2.70	28	3.37	.62
11779.0	.01	100	5.8	1.3	2.65	33	3.30	.62
11780.0	.03	100	6.9	.6	2.65	27	3.24	.62
11781.0	.01	100	5.6	.0	2.65	43	3.17	.62
11786.0	.03	99	6.8	.0	2.74	47	3.14	.62
11787.0	.15	74	9.2	.0	2.73	22	3.07	.61
11788.0	.00	100	5.0	5.0	2.66	23	2.98	.59
11789.0	.00	100	1.3	.0	2.67	33	2.94	.59
11790.0	.00	100	.9	.0	2.68	37	2.93	.59
11791.0	.00	100	1.1	.0	2.67	32	2.92	.59
11792.0	.00	100	.9	.0	2.68	28	2.91	.59
11793.0	.00	100	.7	.0	2.69	29	2.90	.59
11794.0	.00	100	1.3	.9	2.67	25	2.90	.59
11795.0	.00	100	.6	.0	2.69	30	2.89	.59
11796.0	.00	100	.2	.0	2.70	44	2.88	.59
11816.0	.27	65	10.1	.0	2.84	21	2.84	.58
11817.0	.53	58	11.3	.0	2.82	6	2.74	.54
11818.0	.29	54	10.2	.0	2.79	6	2.63	.50
11819.0	.35	45	10.3	.0	2.79	7	2.52	.45
11820.0	.38	42	10.2	1.7	2.80	7	2.42	.39
11821.0	.12	51	8.9	.6	2.79	10	2.32	.34
11822.0	.00	73	4.8	.3	2.73	23	2.24	.30
11823.0	.00	100	1.3	.0	2.71	30	2.20	.30
11824.0	.00	100	.7	.0	2.75	30	2.19	.30
11825.0	.00	100	.0	.0	2.76	40	2.19	.30
11826.0	.00	100	.0	.0	2.74	47	2.19	.30
11836.0	.00	100	1.8	.0	2.77	33	2.18	.30
11837.0	.00	100	.4	.0	2.70	27	2.16	.30
11838.0	.00	100	.8	.0	2.69	23	2.16	.30
11839.0	.00	100	.8	.0	2.69	29	2.15	.30
11840.0	.00	100	.8	.8	2.68	41	2.14	.30
11867.0	.00	100	2.3	.0	2.73	40	2.13	.30

DEPTH FEET	PERM.T.O. OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			%	%			POR-FT	HC-FT
11868.0	.00	100	2.3	1.1	2.74	35	2.10	.30
11869.0	.00	100	.4	.4	2.70	38	2.09	.30
11870.0	.00	100	.1	.0	2.71	46	2.08	.30
11880.0	.00	100	1.4	.1	2.65	49	2.08	.30
11881.0	.00	100	1.7	.7	2.65	38	2.07	.30
11882.0	.00	100	1.4	1.4	2.66	32	2.05	.30
11883.0	.00	100	.5	.5	2.69	46	2.04	.30
11935.0	.00	100	1.1	.0	2.67	40	2.03	.30
11936.0	.00	100	1.5	.0	2.66	33	2.02	.30
11937.0	.00	100	1.6	.0	2.66	35	2.01	.30
11938.0	.00	100	.8	.0	2.68	46	1.99	.30
11967.0	.00	100	4.3	.7	2.65	40	1.98	.30
11968.0	.00	100	1.9	1.9	2.65	29	1.94	.30
11969.0	.00	100	.7	.0	2.69	30	1.92	.30
11970.0	.00	100	.4	.0	2.70	35	1.92	.30
11971.0	.00	100	.5	.0	2.69	39	1.91	.30
11972.0	.00	100	1.7	.0	2.70	30	1.90	.30
11973.0	.00	100	2.8	.0	2.69	23	1.88	.30
11974.0	.00	89	3.7	.0	2.68	23	1.85	.30
11975.0	.00	69	4.9	.0	2.67	20	1.81	.29
11976.0	.01	64	5.4	.0	2.65	20	1.76	.27
11977.0	.01	65	5.3	.3	2.65	20	1.70	.25
11978.0	.00	69	4.6	.1	2.65	22	1.65	.23
11979.0	.01	69	5.4	.3	2.65	20	1.61	.22
11980.0	.00	100	4.6	.8	2.65	25	1.55	.21
11981.0	.00	100	2.4	.0	2.65	39	1.51	.21
11992.0	.00	100	2.6	.0	2.65	39	1.47	.21
11993.0	.00	100	1.6	.3	2.66	30	1.45	.21
11994.0	.00	100	1.5	.9	2.66	36	1.43	.21
11995.0	.00	100	1.5	.0	2.65	44	1.42	.21
11996.0	.00	100	4.7	.0	2.71	30	1.40	.21
11997.0	.00	100	3.6	.0	2.69	35	1.35	.21
11998.0	.00	100	3.7	.0	2.69	33	1.32	.21
11999.0	.00	100	1.3	1.3	2.67	47	1.28	.21
12000.0	.00	100	.2	.0	2.70	42	1.27	.21
12001.0	.00	100	.0	.0	2.72	46	1.27	.21
12002.0	.00	100	1.5	.0	2.65	48	1.27	.21
12003.0	.00	100	2.4	2.0	2.65	44	1.25	.21
12011.0	.00	100	.5	.5	2.69	47	1.23	.21
12025.0	.00	100	2.9	1.8	2.65	47	1.23	.21
12026.0	.00	100	.8	.0	2.68	43	1.21	.21
12029.0	.00	100	.7	.0	2.69	39	1.20	.21

DEPTH FEET	PERM. OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
12030.0	.00	100	.7	.0	2.69	34	1.19	.21
12031.0	.00	100	.9	.9	2.68	36	1.18	.21
12032.0	.00	100	.9	.0	2.68	40	1.17	.21
12033.0	.00	100	.9	.7	2.67	47	1.16	.21
12050.0	.00	100	1.0	.0	2.75	47	1.16	.21
12051.0	.00	100	.8	.8	2.69	44	1.15	.21
12052.0	.00	100	.5	.0	2.69	36	1.14	.21
12053.0	.00	100	.4	.0	2.70	41	1.14	.21
12054.0	.00	100	.2	.0	2.70	46	1.13	.21
12055.0	.00	100	.0	.0	2.71	45	1.13	.21
12056.0	.00	100	.8	.0	2.68	42	1.13	.21
12057.0	.00	100	1.4	.2	2.66	42	1.12	.21
12058.0	.00	100	1.0	.0	2.67	48	1.11	.21
12061.0	.00	60	3.6	.4	2.65	45	1.10	.21
12062.0	.01	51	5.2	.1	2.65	36	1.06	.19
12063.0	.01	52	5.3	.0	2.65	34	1.01	.16
12064.0	.00	58	4.6	.0	2.65	36	.96	.14
12065.0	.00	55	5.2	.0	2.65	32	.91	.12
12066.0	.01	50	5.6	.5	2.65	27	.86	.10
12067.0	.01	56	5.8	2.9	2.65	24	.80	.07
12068.0	.01	97	5.8	4.0	2.65	24	.74	.05
12069.0	.00	100	3.1	.1	2.65	46	.69	.05
12079.0	.00	100	3.5	.0	2.72	44	.68	.05
12080.0	.00	100	3.5	.0	2.72	37	.64	.05
12081.0	.00	100	2.1	.1	2.71	47	.61	.05
12089.0	.00	100	.7	.3	2.68	46	.59	.05
12091.0	.01	100	5.6	.0	2.65	49	.59	.05
12104.0	.01	100	5.7	.2	2.76	47	.56	.05
12105.0	.00	100	4.5	1.6	2.73	20	.50	.05
12106.0	.00	100	1.1	.0	2.69	22	.46	.05
12107.0	.00	100	.9	.0	2.68	28	.45	.05
12108.0	.00	100	1.3	.2	2.67	36	.44	.05
12109.0	.00	100	1.1	.3	2.66	48	.43	.05
12134.0	.00	100	.5	.5	2.69	48	.43	.05
12135.0	.00	100	.4	.3	2.69	47	.42	.05
12150.0	.00	100	1.0	.0	2.67	40	.41	.05
12151.0	.00	100	2.8	.0	2.68	34	.40	.05
12152.0	.00	100	3.4	.0	2.66	34	.37	.05
12153.0	.00	79	5.0	.0	2.66	24	.33	.04
12154.0	.01	68	6.0	.0	2.70	11	.28	.03

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
12155.0	.01	68	5.5	.0	2.69	12	.22	.01
12156.0	.00	100	2.8	.0	2.65	27	.17	.00
12157.0	.00	100	1.9	.0	2.65	33	.14	.00
12158.0	.00	100	1.2	.8	2.66	45	.12	.00
12168.0	.00	100	2.0	.0	2.71	34	.10	.00
12169.0	.00	100	1.1	.0	2.69	30	.08	.00
12170.0	.00	100	.9	.0	2.69	30	.08	.00
12171.0	.00	100	2.0	.0	2.67	27	.06	.00
12172.0	.00	100	2.8	.8	2.65	25	.04	.00
12173.0	.00	100	1.2	.0	2.67	31	.02	.00
12174.0	.00	100	.0	.0	2.72	44	.01	.00
12192.0	.00	100	.6	.0	2.68	49	.01	.00
12193.0	.00	100	.3	.0	2.70	42	.01	.00
12194.0	.00	100	.0	.0	2.72	47	.00	.00
12197.0	.00	100	.1	.0	2.70	48	.00	.00
12198.0	.00	100	.0	.0	2.71	41	.00	.00
12199.0	.00	100	.0	.0	2.72	40	.00	.00
12200.0	.00	100	.2	.0	2.70	41	.00	.00
12201.0	.00	100	.0	.0	2.71	44	.00	.00
12202.0	.00	100	.1	.0	2.71	48	.00	.00

WATER ANALYSIS REPORT

SERVICE LABORATORY: Odessa, Texas Phone (915) 337-2356 & 563-1162
 RESEARCH LABORATORY: Houston, Texas Phone (713) 431-2561
 PLANT: Odessa, Texas Phone (915) 362-2353 & 563-0863

Champion
 CHEMICALS, INC.

BOX 1671
 ODESSA, TEXAS 79760
 CHEMICAL WITH SERVICE

REPORT FOR Glynn Mayson DATE SAMPLED April 29, 1976
 CC H. H. Earnest DATE REPORTED April 30, 1976
 CC Cary L. Hays FIELD, LEASE, OR WELL Christman Bland 1-31 B 4
 COMPANY Husky Oil Company of Delaware COUNTY Duchesne STATE Utah
 ADDRESS P. O. Box 380, Cody, Wyoming 82414 FORMATION Wasatch
 SERVICE ENGINEER Cary L. Hays DEPTH 12,025 Feet
 SUBMITTED BY Cary L. Hays

CHEMICAL ANALYSIS (AS PARTS PER MILLION)

Chemical Component	Field, Lease, or Well					
	CHRISTMAN BLAND 1-31 B 4					
Chloride (Cl)	3,800.00					
Iron (Fe)	3.25					
Total Hardness (Ca CO ₃)	1,400.00					
Calcium (Ca)	320.00					
Magnesium (Mg)	156.00					
Bicarbonate (HCO ₃)	1,220.00					
Carbonate (CO ₃)	108.00					
Sulfate (SO ₄)	150.00					
Hydrogen Sulfide (H ₂ S)	NONE					
Specific Gravity	1.002					
Density, lb./gal.						
pH - Beckman Strip []	7.8					
Dissolved Solids	1,500.00					
Sodium	2,406.00					

OTHER DESCRIPTION, REMARKS AND RECOMMENDATIONS

STABILITY INDEX

122° F. +1.76
 140° F. +2.06
 158° F. +2.28
 176° F. +2.58

REPORTED BY Cary L. Hays TITLE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 163.319.002	
2. NAME OF OPERATOR HUSKY OIL COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 6060 S. Willow Drive, Englewood, Colorado 80111		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1257' FNL & 1552' FEL, NW $\frac{1}{4}$ NE $\frac{1}{4}$		8. FARM OR LEASE NAME Christman-Bland	
14. PERMIT NO. 43-013-30198		9. WELL NO. #1-31	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6091' GR		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 31, T2S, R4W	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Wasatch Perfs: 10,409-11,545'

7/1/83: Acidized w/5000 gal 15% HCl + 220 gal Visco 4987 scale chem.

Put well on production 7/2/83. Well is still producing only water.

18. I hereby certify that the foregoing is true and correct

SIGNED

Vera Chandler

TITLE

Vera Chandler 303/850-1462

Associate Environmental Analyst

DATE

July 25, 1983

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 163.319.002
2. NAME OF OPERATOR HUSKY OIL COMPANY Attention: Vera Chandler		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 6060 S. Willow Drive, Englewood, Colorado 80111		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1257' FNL & 1552' FEL, NW $\frac{1}{4}$ NE $\frac{1}{4}$		8. FARM OR LEASE NAME Christman-Bland
14. PERMIT NO. 43-013-30198		9. WELL NO. #1-31
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 6091' GR		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 31, T2S, R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

Production after Workover

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Production before workover: 10 BOPD.

Production on 9/7/83: 45 BOPD.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Vera Chandler 303/850-1462

Associate Environmental Analyst

DATE 9/12/83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME
		9. WELL NO.
		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.)	12. COUNTY OR PARISH 18. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Linear Energy is now, therefore, the Operator of this well.

18. I hereby certify that the foregoing is true and correct

SIGNED

C. A. Rystrom

TITLE

Vice President - Land
XXXXXXXXXXXXXXXXXX

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 163-319-002
2. NAME OF OPERATOR LINMAR Energy Corp		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 7979 E. Tipton Ave Pkwy #604 DENVER, CO 80237		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface Sec. 31 T8S R4W NWRE		8. FARM OR LEASE NAME
14. PERMIT NO. 43-013-098		9. WELL NO. 1-31
15. ELEVATIONS (Show whether OF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
		12. COUNTY OR PARISH Duchesne
		13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) change of Operator <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Husky sold interest to above 11/1/84**RECEIVED****JUN 14 1984****DIVISION OF OIL
GAS & MINING**

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE

Prod. Acct. SUPERVISOR

DATE

6/11/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

LINMAR PETROLEUM COMPANY
7979 East Tufts Avenue Parkway, Suite 604
Denver, Colorado 80237
(303) 773-8003

111202

November 6, 1987

State of Utah
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

ATTN: Tami Searing

Re: Change of Operator

14503

Dear Ms. Searing:

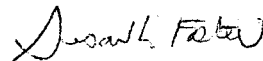
Enclosed is a Sundry Notice, in triplicate, evidencing Change of Operator effective November 1, 1987, from Linmar Energy Corporation to Linmar Petroleum Company covering the wells listed on the Exhibit "A" attached thereto. Such listing of wells should cover all the wells in which you currently show Linmar Energy Corporation as Operator.

If you have any questions whatsoever or if you need any additional information, please do not hesitate to call me collect at (303) 773-8003.

Thank you so very much for all of your assistance and cooperation in this matter.

Very truly yours,

LINMAR PETROLEUM COMPANY



Susan L. Foster
Land Consultant

SLF:jgm

Enclosures

cc: Ed Whicker, Field Superintendent, Linmar Petroleum Company

NOV 9 1987

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR See Below		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR See Below		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. See Exhibit "A" Attached Hereto
15. ELEVATIONS (Show whether OF, AT, ON, etc.)		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA See Exhibit "A" Attached Hereto
		12. COUNTY OR PARISH Duchesne & Uintah Counties
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐PULL OR ALTER CASING ☐FRACTURE TREAT ☐MULTIPLE COMPLETION ☐SHOOT OR ACIDIZE ☐ABANDON* ☐REPAIR WELL ☐CHANGE PLANS ☐(Other) ☐Change of Operator ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐REPAIRING WELL ☐FRACTURE TREATMENT ☐ALTERING CASING ☐SHOOTING OR ACIDIZING ☐ABANDONMENT* ☐(Other) ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log (form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

CHANGE OF OPERATOR
(Effective November 1, 1987)

FROM:

Company Name: Linmar Energy Corporation
 Address: 7979 East Tufts Avenue Parkway, Suite 604, Denver, Colorado 80237
 Telephone No.: (303) 773-8003

TO:

Company Name: Linmar Petroleum Company **19503**
 Address: 7979 East Tufts Avenue Parkway, Suite 604, Denver, Colorado 80237
 Telephone No.: (303) 773-8003

18. I hereby certify that the foregoing is true and correct

LINMAR ENERGY CORPORATION

SIGNED BY: B. J. LewisTITLE Vice PresidentDATE November 6, 1987

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

EXHIBIT "A"

NOV 9 1987

Attached to and made a part of that certain Sundry Notice covering
Change of Operator from Linmar Energy Corporation to Linmar
Petroleum Company

WELL NAME	SECTION, TOWNSHIP AND RANGE
Carmen 1-7B5 <u>43-013-30195</u>	Section 7, Township 2 South, Range 5 West
Priest 2-7B5 <u>43-013-31001</u>	Section 7, Township 2 South, Range 5 West
Sorenson 1-8B5 <u>43-013-30270</u>	Section 8, Township 2 South, Range 5 West
Miltz 2-8B5 <u>43-013-30906</u>	Section 8, Township 2 South, Range 5 West
Brotherson 1-25B4 <u>43-013-30668</u>	Section 25, Township 2 South, Range 4 West
Brotherson 1-27B4 <u>43-013-30185</u>	Section 27, Township 2 South, Range 4 West
Wimmer 2-27B4 <u>43-013-30941</u>	Section 27, Township 2 South, Range 4 West
Christman-Blann 1-31B4 <u>43-013-30198</u>	Section 31, Township 2 South, Range 4 West
Lindsay Russell 1-32B4 <u>43-013-30308</u>	Section 32, Township 2 South, Range 4 West
Lindsay Russell 2-32B4 <u>43-013-30371</u>	Section 32, Township 2 South, Range 4 West
Griffith 1-33B4 <u>43-013-30288</u>	Section 33, Township 2 South, Range 4 West
Belcher 2-33B4 <u>43-013-30907</u>	Section 33, Township 2 South, Range 4 West
Erwin 1-35B4 <u>43-013-30216</u>	Section 35, Township 2 South, Range 4 West
Flanigan 2-14B5 <u>43-013-30757</u>	Section 14, Township 2 South, Range 5 West
Brown 2-28B5 <u>43-013-30718</u>	Section 28, Township 2 South, Range 5 West
Wildlife Resources 1-33B5 <u>43-013-30649</u>	Section 33, Township 2 South, Range 5 West
Rhoades Moon 1-35B5 <u>43-013-30155</u>	Section 35, Township 2 South, Range 5 West
Brotherson 2-35B5 <u>43-013-30908</u>	Section 35, Township 2 South, Range 5 West
Rhoades 1-36B5 <u>43-013-30289</u>	Section 36, Township 2 South, Range 5 West
Ute Tribal 2-14C6 <u>43-013-30775</u>	Section 14, Township 3 South, Range 6 West
Ute Tribal 2-17C6 <u>43-013-31033</u>	Section 17, Township 3 South, Range 6 West
Wildlife Resources 2-19C6 <u>43-013-31035</u>	Section 19, Township 3 South, Range 6 West
Ute Fee 2-33C6 <u>43-013-31123</u>	Section 33, Township 3 South, Range 6 West
✓ Ford 2-13C7 <u>43-013-31082</u>	Section 13, Township 3 South, Range 7 West

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" - for such proposals

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

Ute

7. If Unit or CA, Agreement Designation

N/A

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Linmar Petroleum Company

3. Address and Telephone No.

7979 East Tufts Ave. Parkway, Suite 604, Denver, CO 80237 (303) 773-8003

4. Location of Well (Footage, Sec., T., R., M., Or Survey Description)

See attached list of wells.

8. Well Name and No.

See attached list.

9. API Well No.

See attached list.

10. Field and Pool, Or Exploratory Area

See attached list.

11. County or Parish, State

See attached list.

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)*

There will be a change of operator for all wells specified on the attached list.

OPERATOR - FROM: Linmar Petroleum Company

TO: Coastal Oil and Gas Corporation

All operations will be covered by Nationwide Bond No. 11-40-66A and Bond No. U6053821, as required by the State of Utah.

14. I hereby certify that the foregoing is true and correct

Signed By: X. M. Kohlefer Title Vice President of Managing General Partner Date 9/1/94

(This space for Federal or State office use)

APPROVED BY _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

WELL NAME	API #	FOOTAGES	LOCATION	FIELD	COUNTY	LEASE DESIGNATION
✓Allred 2-16A3	43-013-30361		Section 16, T1S, R3W, U.S.M.	Altamont	Duchesne	Fee <u>96-00037</u>
Barrett 1-34A5	43-013-30323	713' FNL & 1387' FEL	Section 34, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Birch 1-35A5	43-013-30233	757' FNL & 1024' FEL	Section 35, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Birch 2-35A5	43-013-30362		Section 35, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Brotherson 1-25B4	43-013-30668	778' FNL & 1627' FEL	Section 25, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
Brotherson 1-27B4	43-013-30185	1244' FNL & 1464' FEL	Section 27, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
Brotherson 2-35B5	43-013-30908	2432' FNL & 1648' FWL	Section 35, T2S, R5W, U.S.M.	Altamont	Duchesne	Fee
Brotherson 2-3B4	43-013-31008	1226' FSL & 1933' FWL	Section 3, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
✓Chandler 2-5B4	43-013-31000	466' FSL & 1180' FWL	Section 5, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee <u>96-00042</u>
Christensen 2-26A5	43-013-30905	776' FSL & 1467' FWL	Section 26, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Christensen 2-8B3	43-013-30780	1880' FSL & 1694' FWL	Section 8, T2S, R3W, U.S.M.	Altamont	Duchesne	Fee
Christensen 3-4B4	43-013-31142	804' FSL & 1948' FEL	Section 4, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
Christman Blann 1-31B4	43-013-30198	1257' FNL & 1552' FEL	Section 31, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
D. Moon 1-23Z1	43-047-31479		Section 23, T1N, R1W, U.S.M.	Bluebell	Uintah	Fee
Ellsworth 2-8B4	43-013-30898	1580' FSL & 1580' FWL	Section 8, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
✓Ellsworth 2-9B4	43-013-31138	2976' FNL & 2543' FWL	Section 9, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee <u>96-00045 (ANR)</u>
Evans 1-31A4	43-013-30067	1987' FNL & 1973' FEL	Section 31, T1S, R4W, U.S.M.	Altamont	Duchesne	Fee
Fisher 1-19A3	43-013-30535	1609' FNL & 1671' FEL	Section 19, T1S, R3W, U.S.M.	Altamont	Duchesne	Fee
Fisher 2-6A3	43-013-30984	404' FSL & 596' FEL	Section 6, T1S, R3W, U.S.M.	Altamont	Duchesne	Fee
Ford 2-36A5	43-013-30911	1113' FSL & 1659' FWL	Section 36, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Hansen 1-16B3	43-013-30617	2088' FSL & 1760' FWL	Section 16, T2S, R3W, U.S.M.	Altamont	Duchesne	Fee
Horrocks 1-3A1	43-013-30171	2502' FNL & 2141' FWL	Section 3, T1S, R1W, U.S.M.	Bluebell	Duchesne/Uintah	Fee
Jensen 1-31A5	43-013-30186	1380' FNL & 1244' FEL	Section 31, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Jensen 2-29A5	43-013-30974	1085' FSL & 1528' FWL	Section 29, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Jessen 1-17A4	43-013-30173	1182' FNL & 1130' FEL	Section 17, T1S, R4W, U.S.M.	Altamont	Duchesne	Fee
✓Lindsay Russell 2-32B4	43-013-30371		Section 32, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee <u>96-00046</u>
Linmar 1-19B2	43-013-30600	2032' FNL & 2120' FWL	Section 19, T2S, R2W, U.S.M.	Altamont	Duchesne	Fee
Marshall 1-20A3	43-013-30193	565' FNL & 1821' FEL	Section 20, T1S, R3W, U.S.M.	Bluebell	Duchesne	Fee
Murray 3-2A2	43-013-30816	2211' FNL & 2257' FWL	Section 2, T1S, R2W, U.S.M.	Bluebell	Duchesne	Fee
Oman 2-4B4	43-013-30645	1536' FSL & 1849' FWL	Section 4, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
Rhoades Moon 1-35B5	43-013-30155	870' FNL & 960' FEL	Section 35, T2S, R5W, U.S.M.	Altamont	Duchesne	Fee
Wimmer 2-27B4	43-013-30941	904' FNL & 886' FWL	Section 27, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SEP 26 1994

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

Fee

6. If Indian, Allottee or Tribe Name:

Ute

7. Unit Agreement Name:

See attached list.

8. Well Name and Number:

See attached list.

9. API Well Number:

See attached list.

10. Field and Pool, or Wildcat:

Altamont/Bluebell

1. Type of Well:

OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Linmar Petroleum Company

3. Address and Telephone Number:

7979 East Tufts Ave. Parkway, Suite 604, Denver, CO 80237 (303)773-8003

4. Location of Well

Footages:

See attached list.

County:

See attached list.

QQ, Sec., T., R., M.:

State:

Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit In Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Change of operator. | |

Approximate date work will start 9/8/94

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

There was a change of operator on the date above for all wells on the attached list:

OPERATOR: - FROM: Linmar Petroleum Company

TO: Coastal Oil & Gas Corporation

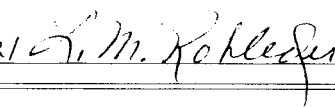
All operations are covered by Nationwide Bond No. 11-40-66A, Bond No. U6053821 and Nationwide Bond No.962270.

13.

Name & Signature:

BY:

L. M. ROHLER



V.P. OF MANAGING

Title: GENERAL PARTNER

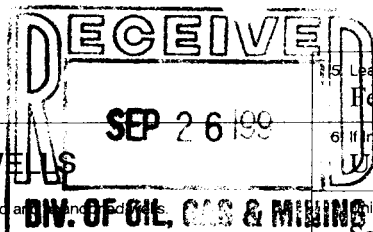
Date: 9/20/94

(This space for State use only)

WELL NAME	API #	FOOTAGES	LOCATION	COUNTY	LEASE DESIGNATION	TRIBE NAME	CA #	BOND #
Allred 1-16A3	43-013-30232	700' FNL & 1280' FEL	Section 16, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000087	102102, 962270
Allred 2-16A3	43-013-30691	20361	Section 16, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000087	102102, 962270
Belcher 2-33B4	43-013-30907	2348' FNL & 1085' FWL	Section 33, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000119	102102, 962270
Brown 2-28B5	43-013-30718	1777' FSL & 1413' FWL	Section 28, T2S, R5W, U.S.M.	Duchesne	Fee	Ute	96-000068	102102, 962270
Carl Smith 2-25A4	43-013-30776		Section 25, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000036	102102, 962270
Chasel 2-17A1	43-013-30732	1379' FSL & 1360' FWL	Section 17, T1S, R1W, U.S.M.	Duchesne	Fee	Ute	VR49184680C	102102, 962270
Chasel Hackford 2-10A1E	43-047-31421	1120' FSL & 1120' FEL	Section 10, T1S, R1E, U.S.M.	Uintah	Fee	Ute	UT08014986C693	102102, 962270
Chasel Miller 2-1A2	43-013-30360		Section 1, T1S, R2W, U.S.M.	Duchesne	Fee	Ute	UT08014987C685	102102, 962270
Clark 2-9A3	43-013-30876		Section 9, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	9C-000123	102102, 962270
Duncan 3-1A2	43-013-31135	1097' FSL & 702' FWL	Section 1, T1S, R2W, U.S.M.	Duchesne	Fee	Ute	UT08014987C685	102102, 962270
Dye 1-25Z2	43-013-30659	1520' FSL & 1520' FEL	Section 25, T1N, R2W, U.S.M.	Duchesne	Fee	Ute	UT08049P84C723	102102, 962270
Fieldsted 2-27A4	43-013-30915	1496' FSL & 1718' FEL	Section 27, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000108	102102, 962270
Fisher 1-16A4	43-013-30737	1527' FSL & 834' FEL	Section 16, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	VR49184672C	102102, 962270
Fisher 1-7A3	43-013-30131	1980' FNL & 2080' FEL	Section 7, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000058	102102, 962270
Goodrich 1-24A4	43-013-30760	1106' FNL & 1599' FEL	Section 24, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	VR49184703C	102102, 962270
Griffith 1-33B4	43-013-30288	1307' FNL & 1512' FEL	Section 33, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000119	102102, 962270
Horrocks 2-4A1	43-013-30954	1678' FNL & 1520' FEL	Section 4, T1S, R1W, U.S.M.	Duchesne	Fee	Ute	UT08014985C701	102102, 962270
Jacobson 2-12A4	43-013-30985	1104' FSL & 2417' FWL	Section 12, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	UT08014986C685	102102, 962270
Jenkins 3-16A3	43-013-30877	1085' FSL & 1905' FWL	Section 16, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000087	102102, 962270
Jensen 1-29Z1	43-013-30725	1331' FSL & 2424' FEL	Section 29, T1N, T1W, U.S.M.	Duchesne	Fee	Ute	VR49184681C	102102, 962270
Jessen 1-15A4	43-013-30817	2417' FNL & 1514' FEL	Section 15, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	VR49184692C	102102, 962270
LeBeau 1-34A1	43-013-30590		Section 34, T1S, R1W, U.S.M.	Duchesne/Uintah	Fee	Ute	VR49184694C	102102, 962270
Lindsay Russell 1-32B4	43-013-30308	1320' FNL & 1320' FEL	Section 32, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000116	102102, 962270
Lindsay Russell 2-32B4	43-013-30371		Section 32, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000116	102102, 962270
Morris 2-7A3	43-013-30977	2473' FSL & 580' FWL	Section 7, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000058	102102, 962270
Olsen 1-27A4	43-013-30064	1200' FNL & 1200' FEL	Section 27, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000108	102102, 962270
Oman 2-32A4	43-013-30904	754' FSL & 1140' FWL	Section 32, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	NW-613	102102, 962270
Powell 2-8A3	43-013-30979	661' FSL & 1114' FWL	Section 8, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	NRM-715	102102, 962270
Rhoades Moon 1-36B5	43-013-30289		Section 36, T2S, R5W, U.S.M.	Duchesne	Fee	Ute	96-000113	102102, 962270
Timothy 1-9A3	43-013-30321	1491' FNL & 1646' FEL	Section 9, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	9C-000123	102102, 962270
Timothy 3-18A3	43-013-30940		Section 18, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	9C-000132	102102, 962270
Warren 1-32A4	43-013-30174	1799' FNL & 1104' FEL	Section 32, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	NW-613	102102, 962270
Wildlife Resources 1-33B5	43-013-30649	1804' FNL & 1603' FEL	Section 33, T2S, R5W, U.S.M.	Duchesne	Fee	Ute	UT08049184C726	102102, 962270
Wilkerson 1-20Z1	43-013-30942	1523' FSL & 1509' FEL	Section 20, T1N, R1W, U.S.M.	Duchesne	Fee	Ute	UT08014986C680	102102, 962270

RECEIVED
SEP 6 1994

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

Fee

6. If Indian, Allottee or Tribe Name:

None

7. Lease Agreement Name:

See attached list.

1. Type of Well:

OIL ☒ GAS ☐ OTHER:

8. Well Name and Number:

See attached list.

2. Name of Operator:

Coastal Oil & Gas Corporation

9. API Well Number:

See attached list.

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

10. Field and Pool, or Wildcat:

Altamont/Bluebell

4. Location of Well

Footages: See attached list.

County: See attached list.

QQ, Sec., T., R., M.:

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit In Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Change of operator. | |

Approximate date work will start 9/8/94

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Date of work completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

There was a change of operator on the date above for all wells on the attached list:

OPERATOR: - FROM: Linmar Petroleum Company
TO: Coastal Oil & Gas Corporation

All operations are covered by Nationwide Bond No. 11-40-66A, Bond No. U6053821 and Nationwide Bond No. 962270.

13.

Name & Signature:

Bernie Schneider

Title:

Environmental Analyst

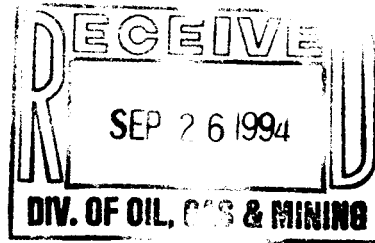
Date:

09/19/94

(This space for State use only)

WELL NAME	API #	FOOTAGES	LOCATION	COUNTY	LEASE DESIGNATION	TRIBE NAME	CA #	BOND #
Allred 1-16A3	43-013-30232	700' FNL & 1280' FEL	Section 16, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000087	102102, 962270
Allred 2-16A3	43-013-30361		Section 16, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000087	102102, 962270
Barrett 1-34A5	43-013-30323	713' FNL & 1387' FEL	Section 34, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Belcher 2-33B4	43-013-30907	2348' FNL & 1085' FWL	Section 33, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000119	102102, 962270
Birch 1-35A5	43-013-30233	757' FNL & 1024' FEL	Section 35, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Birch 2-35A5	43-013-30362		Section 35, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Brotherson 1-25B4	43-013-30668	778' FNL & 1627' FEL	Section 25, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Brotherson 1-27B4	43-013-30185	1244' FNL & 1464' FEL	Section 27, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Brotherson 2-35B5	43-013-30908	2432' FNL & 1648' FWL	Section 35, T2S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Brotherson 2-3B4	43-013-31008	1226' FSL & 1933' FWL	Section 3, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Brown 2-28B5	43-013-30718	1777' FSL & 1413' FWL	Section 28, T2S, R5W, U.S.M.	Duchesne	Fee	Ute	96-000068	102102, 962270
Carl Smith 2-25A4	43-013-30776		Section 25, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000036	102102, 962270
Chandler 2-5B4	43-013-31000	466' FSL & 1180' FWL	Section 5, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	NW 540	102102, 962270
Chasel 2-17A1	43-013-30732	1379' FSL & 1360' FWL	Section 17, T1S, R1W, U.S.M.	Duchesne	Fee	Ute	VR49184680C	102102, 962270
Chasel Hackford 2-10A1E	43-047-31421	1120' FSL & 1120' FEL	Section 10, T1S, R1E, U.S.M.	Utah	Fee	Ute	UT08014986C693	102102, 962270
Chasel Miller 2-1A2	43-013-30360		Section 1, T1S, R2W, U.S.M.	Duchesne	Fee	Ute	UT08014987C685	102102, 962270
Christensen 2-26A5	43-013-30905	776' FSL & 1467' FWL	Section 26, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Christensen 2-8B3	43-013-30780	1880' FSL & 1694' FWL	Section 8, T2S, R3W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Christensen 3-4B4	43-013-31142	804' FSL & 1948' FEL	Section 4, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Christman Blann 1-31B4	43-013-30198	1257' FNL & 1552' FEL	Section 31, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Clark 2-9A3	43-013-30876		Section 9, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	9C-000123	102102, 962270
Duncan 3-1A2	43-013-31135	1097' FSL & 702' FWL	Section 1, T1S, R2W, U.S.M.	Duchesne	Fee	Ute	UT08014987C685	102102, 962270
Dye 1-25Z2	43-013-30659	1520' FSL & 1520' FEL	Section 25, T1N, R2W, U.S.M.	Duchesne	Fee	Ute	UT08049P84C723	102102, 962270
D. Moon 1-23Z1	43-047-31479		Section 23, T1N, R1W, U.S.M.	Utah	Fee	Ute		102102, 962270
Ellsworth 2-8B4	43-013-30898	1580' FSL & 1580' FWL	Section 8, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Ellsworth 2-9B4	43-013-31138	2976' FNL & 2543' FWL	Section 9, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000415	102102, 962270
Evans 1-31A4	43-013-30067	1987' FNL & 1973' FEL	Section 31, T1S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Fieldsted 2-27A4	43-013-30915	1496' FSL & 1718' FEL	Section 27, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000108	102102, 962270
Fisher 1-16A4	43-013-30737	1527' FSL & 834' FEL	Section 16, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	VR49184672C	102102, 962270
Fisher 1-19A3	43-013-30535	1609' FNL & 1671' FEL	Section 19, T1S, R3W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Fisher 1-7A3	43-013-30131	1980' FNL & 2080' FEL	Section 7, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000058	102102, 962270
Fisher 2-6A3	43-013-30984	404' FSL & 596' FEL	Section 6, T1S, R3W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Ford 2-36A5	43-013-30911	1113' FSL & 1659' FWL	Section 36, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Goodrich 1-24A4	43-013-30760	1106' FNL & 1599' FEL	Section 24, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	VR49184703C	102102, 962270
Griffith 1-33B4	43-013-30288	1307' FNL & 1512' FEL	Section 33, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000119	102102, 962270
Hansen 1-16B3	43-013-30617	2088' FSL & 1760' FWL	Section 16, T2S, R3W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Horrocks 1-3A1	43-013-30171	2502' FNL & 2141' FWL	Section 3, T1S, R1W, U.S.M.	Duchesne/Utah	Fee	Ute		102102, 962270
Horrocks 2-4A1	43-013-30954	1678' FNL & 1520' FEL	Section 4, T1S, R1W, U.S.M.	Duchesne	Fee	Ute	UT08014985C701	102102, 962270
Jacobson 2-12A4	43-013-30985	1104' FSL & 2417' FWL	Section 12, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	UT08014986C685	102102, 962270
Jenkins 3-16A3	43-013-30877	1085' FSL & 1905' FWL	Section 16, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000087	102102, 962270
Jensen 1-29Z1	43-013-30725	1331' FSL & 2424' FEL	Section 29, T1N, T1W, U.S.M.	Duchesne	Fee	Ute	VR49184681C	102102, 962270
Jensen 1-31A5	43-013-30186	1380' FNL & 1244' FEL	Section 31, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Jensen 2-29A5	43-013-30974	1085' FSL & 1528' FWL	Section 29, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Jessen 1-15A4	43-013-30817	2417' FNL & 1514' FEL	Section 15, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	VR49184692C	102102, 962270
Jessen 1-17A4	43-013-30173	1182' FNL & 1130' FEL	Section 17, T1S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
LeBeau 1-34A1	43-013-30590		Section 34, T1S, R1W, U.S.M.	Duchesne/Utah	Fee	Ute	VR49184694C	102102, 962270
Lindsay Russell 1-32B4	43-013-30308	1320' FNL & 1320' FEL	Section 32, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000116	102102, 962270
Lindsay Russell 2-32B4	43-013-30371		Section 32, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000116	102102, 962270
Linmar 1-19B2	43-013-30600	2032' FNL & 2120' FWL	Section 19, T2S, R2W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Marshall 1-20A3	43-013-30193	565' FNL & 1821' FEL	Section 20, T1S, R3W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Morris 2-7A3	43-013-30977	2473' FSL & 580' FWL	Section 7, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000058	102102, 962270
Murray 3-2A2	43-013-30816	2211' FNL & 2257' FWL	Section 2, T1S, R2W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Olsen 1-27A4	43-013-30064	1200' FNL & 1200' FEL	Section 27, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000108	102102, 962270
Oman 2-32A4	43-013-30904	754' FSL & 1140' FWL	Section 32, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	NW-613	102102, 962270
Oman 2-4B4	43-013-30645	1536' FSL & 1849' FWL	Section 4, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Powell 2-8A3	43-013-30979	661' FSL & 1114' FWL	Section 8, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	NRM-715	102102, 962270
Rhodes Moon 1-35B5	43-013-30155	870' FNL & 960' FEL	Section 35, T2S, R5W, U.S.M.	Duchesne	Fee			
Rhodes Moon 1-36B5	43-013-30289		Section 36, T2S, R5W, U.S.M.	Duchesne	Fee	Ute	96-000113	102102, 962270
Timothy 1-9A3	43-013-30321	1491' FNL & 1646' FEL	Section 9, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	9C-000123	102102, 962270
Timothy 3-18A3	43-013-30940		Section 18, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	9C-000132	102102, 962270
Warren 1-32A4	43-013-30174	1799' FNL & 1104' FEL	Section 32, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	NW-613	102102, 962270
Wildlife Resources 1-33B5	43-013-30649	1804' FNL & 1603' FEL	Section 33, T2S, R5W, U.S.M.	Duchesne	Fee	Ute	UT08049184C726	102102, 962270
Wilkerson 1-20Z1	43-013-30942	1523' FSL & 1509' FEL	Section 20, T1N, R1W, U.S.M.	Duchesne	Fee	Ute	UT08014986C680	102102, 962270
Wimmer 2-27B4	43-013-30941	904' FNL & 886' FWL	Section 27, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270

WELL NAME	API #	FOOTAGES	LOCATION	COUNTY	LEASE DESIGNATION	TRIBE NAME	CA #	BOND #
State 1-19A4	43-013-30322	985' FNL & 853' FEL	Section 19, T1S, R4W, U.S.M.	Duchesne	ML-27912	Ute		102102, 962270
State 1-8A3	43-013-30286	1545' FNL & 1489' FEL	Section 8, T1S, R3W, U.S.M.	Duchesne	ML-24316	Ute	NRM-715	102102, 962270
Wainoco State 1-14B1	43-047-30818		Section 14, T2S, R1W, U.S.M.	Duchesne/Uintah	ML-2402	Ute		102102, 962270



September 21, 1994

State of Utah
Division of Oil Gas, and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

ATTN: Leesha Cordoba

Leesha:

I have mailed off the revised list of all the FEE wells to you, as well as the State wells.

The signed copies of the UIC Form 5's were mailed to the State approximately 9/12/94. Copies of the sundries sent to the BLM for all the Indian wells were mailed to the State also on 9/19/94.

I will address the Linmar FEE and CA wells ASAP, and will talk to our land people on 9/19 to determine the disposition of those wells temporarily abandoned.

Thanks again for you much appreciated help.

Sincerely,

Bonnie Johnston
Environmental Coordinator
(303) 573-4476

DATE: 05/06/94

W E L L S B Y O P E R A T O R

PAGE: 208

ACCT NUM	COMPANY NAME	FLD NUM	FIELD NAME	TOWN SHIP	RANGE	SEC	QTR QTR	API NUMBER	PROD ZONE	WELL STATUS	ENTITY	WELL NAME
N9500	MOUNTAIN STATES PETRO CORP	305	BOUNDARY BUTTE	S430	E220	22	SWSE	4303730805	PRDX	SGW	10995	ENGLISH #37
N9510	RIO BRAVO OIL COMPANY	65	BLUEBELL	SO10	W010	24	SENE	4304731434		LA	99998	ROOSEVELT UNIT 24-1
				SO10	E010	19	NWNE	4304731443		LA	99998	ROOSEVELT UNIT 19-1
				SO10	E010	20	SENE	4304731451		LA	99998	ROOSEVELT UNIT #20-1
N9515	MCCONNELL, B L OPERATING	205	GREATER CISCO	S200	E210	10	NWNE	4301930391	DKTA	PA	9222	CALF CANYON FEDERAL #6
N9520	LINMAR ENERGY CORPORATION	55	ALTAMONT	SO10	W030	16	NENE	4301330361	UNTA	WDW	99996	ALRED WDW 2-18 FEE
		65	BLUEBELL	SO10	W010	5	SENE	4301330536	GR-WS	PA	9138	CHEVON WAINOCO HELEN LARS
				NO10	W010	19	NWSE	4301330820	GR-WS	PA	9330	HOOPES 1-19Z1
		90	DUCHESNE	SO40	W040	9	NWNW	4301331012	WSTC	PA	4707	COYOTE UTE TRIBAL 4-9D4
		2	UNDESIGNATED	SO30	W070	20	SWNE	4301331038	WSTC	PA	10120	SMITH 1-20C7
		55	ALTAMONT	SO10	W040	10	SENE	4301331051		LA	99998	MAXFIELD #1-10A4
				SO10	W040	30	SWSW	4301331076		LA	99998	STEVENSON #2-30A4
		80	CEDAR RIM	SO30	W060	18	NWNE	4301331081	GR-WS	PA	10312	BIDDLE #6-18C6
		90	DUCHESNE	SO40	W040	10	SWNW	4301331137		LA	99998	UTE 1-10D4
		2	UNDESIGNATED	SO10	E010	10	SWSW	4304731170		PA	99998	LYNN WHITLOCK #1-10A1E
		65	BLUEBELL	SO10	W010	13	SWNW	4304731325		LA	99998	CHASEL 2-13A1
				SO10	W010	14	NESE	4304731659		LA	99998	ROOSEVELT UNIT BADGER I1-
				SO10	E010	19	NENE	4304731660		LA	99998	ROOSEVELT U BADGER A4-19A
				SO10	E010	20	SENE	4304731661		LA	99998	ROOSEVELT UNIT BADGER H-5
				SO10	E010	21	SENE	4304731662		LA	99998	ROOSEVELT UNIT BADGER F-6
N9523	LINMAR PETROLEUM COMPANY	55	ALTAMONT	SO10	W040	27	NENE	4301330064	GR-WS	POW	9119	OLSEN 1-27A4 FEE
				SO10	W040	31	SWNE	4301330067	GR-WS	SOW	1560	EVANS UNIT 1-31A4 FEE
				SO10	W030	7	SWNE	4301330131	GR-WS	TA	9113	GEORGE FISHER 1-7A3 FEE
		65	BLUEBELL	NO10	W010	27	NESW	4301330151	GR-WS	POW	4700	COLTHARP 1-27Z1 14-20-HG2-1933
		55	ALTAMONT	SO10	W050	26	SWNE	4301330153	GR-WS	PA	4705	BIRCH #1-26A5
				SO10	W050	29	SENE	4301330154	GR-WS	PA	4710	JENSEN ET AL 1-29A5
				SO20	W050	35	NENE	4301330155	GR-WS	TA	4715	RHOADES MOON 1-35B5 FEE
		65	BLUEBELL	SO10	W010	3	SENE	4301330171	GR-WS	TA	9139	HORROCKS FEE 1-3A4 FEE
		55	ALTAMONT	SO10	W040	17	NENE	4301330173	GR-WS	POW	4725	JESSEN 1-17A4 FEE
				SO10	W040	32	SENE	4301330174	GR-WS	TA	4730	WARREN 1-32A4 FEE
				SO20	W040	27	NWNE	4301330185	GR-WS	POW	4735	BROTHERSON 1-27B4 FEE
				SO10	W050	31	SENE	4301330186	GR-WS	POW	4740	JENSEN 1-31A5 FEE
				SO10	W030	20	NWNE	4301330193	GR-WS	POW	9340	R MARSHALL 1-20A3 FEE
				SO20	W050	7	SWNE	4301330195	GR-WS	PA	9128	CARMEN 1-7B5
				SO10	W050	36	SWNE	4301330196	GR-WS	PA	9123	STEVENSON HEIRS 1-36A5
				SO20	W040	31	NWNE	4301330198	GR-WS	SOW	4745	CHRISTMAN BLANN 1-31B4 FEE
				SO20	W040	35	NENW	4301330216	GR-WS	PA	4750	ERWIN 1-35B4
				SO20	W050	4	SWNE	4301330222	GR-WS	PA	9127	CHENEY 1-4B5
				SO10	W030	16	NENE	4301330232	GR-WS	TA	9116	ALLRED 1-16A3 FEE
				SO10	W050	35	NENE	4301330233	GR-WS	TA	9122	BIRCH 1-35A5 FEE
				SO20	W050	8	NENE	4301330270	GR-WS	PA	9129	SORENSEN 1-8B5
				SO10	W030	8	SWNE	4301330286	GR-WS	SOW	9114	STATE 1-8A3 ML-24316
				SO20	W040	33	NWNE	4301330288	GR-WS	POW	4760	GRIFFITHS 1-33B4 FEE
				SO20	W050	36	NENE	4301330289	GR-WS	POW	4765	RHOADES MOON 1-36B5 FEE
				SO10	W040	30	NENE	4301330300	GR-WS	PA	9120	MILES 1-30A4 FEE
				SO20	W040	32	C-NE	4301330308	GR-WS	SOW	4770	LINDSAY RUSSELL 1-32B4 FEE
				SO10	W030	9	SWNE	4301330321	GR-WS	TA	9115	TIMOTHY 1-9A3 FEE

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

Routing

1- LWP 7-PL
2- LWP 8-SJ
3- DTG 9-FILE
4- VLC
5- RJF
6- LWP

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 9-8-94)

TO (new operator) COASTAL OIL & GAS CORP
 (address) PO BOX 749
DENVER CO 80201-0749
 phone (303) 572-1121
 account no. N 0230

FROM (former operator) LINMAR PETROLEUM COMPANY
 (address) 7979 E TUFTS AVE PKWY 604
DENVER CO 80237
 phone (303) 773-8003
 account no. N9523

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>013-30198</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Lee 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 9-12-94)
- Lee 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 9-16-94)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (10-4-94)
- LWP 6. Cardex file has been updated for each well listed above. 10-14-94
- Lyn 7. Well file labels have been updated for each well listed above. 10-14-94
- Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-4-94)
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) *\$25,000 Surety "Trust Land Admin." (bond Incr. in Progress)*

- See 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. *\$80,000 Surety "United Pacific Ins. Co"*
2. A copy of this form has been placed in the new and former operators' bond files. ** Upon compl. of recating.*
- See 3. The former operator has requested a release of liability from their bond (yes/no) (no). Today's date Sept. 13, 1994. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- See 2. Copies of documents have been sent to State Lands for changes involving State leases. *10-17-94 to Ed B. ...*

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: 10-20 1994.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

941003 Ed/Trust Land Admin. (bond Incr. in Progress)

* Indian Lease wells & wells involved in C.A.'s "separate change".

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well:

OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Coastal Oil & Gas Corporation

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well

Footages:

1257' FNL & 1552' FEL

QQ, Sec., T., R., M.:

NW/NE Section 31, T 2S-R4W

5. Lease Designation and Serial Number:

Fee

6. If Indian, Allottee or Tribe Name:

Ute

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Christman Blann #1-31B4

9. API Well Number:

43-013-30198

10. Field and Pool, or Wildcat:

Altamont

County: Duchesne

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit In Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Install Rotoflex beam pump | |

Approximate date work will start

Upon approval

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Date of work completion

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The operator proposes to replace the existing casing free hydraulic lift system with a Rotoflex beam pump.

Procedure: POOH with heat string. Release 7" 26# Lokset pkr @ 9254'. POOH w/tbg. Note: the 4-1/2" liner cannot be cleaned out because of a casing patch. PU steel plug, 5" PBGA, 2-7/8" nipple w/dip tube, pup jt, SN, 7 jts 2-7/8" tbg, and 7" TAC. Set AC @ +/-9000'. RIH w/1-3/4" pump, 250' 1" rod w/g, and standard design to surface. Set pump speed at 3 SPM & return to production. Run dynamometer analysis & fluid level tests and adjust speed accordingly.

13.

Name & Signature:

Bonnie Johnston

Title: Environmental Analyst

Date:

10/17/94

(This space for State use only)

CHRISTMAN BLANN 1-31B4

Sec 31; 2S; 4W

Average Production:

19 25 BOPD
 150 125 BOPD
 85 MCFD

Downhole Pump:

Jet

Surface Equipment:

J100 belt drive

Comments:

SWD line to L. Russel 2-32B4

2 7/8" Scab Liner
 9399-10,350'
 Cemented w/45 sx

1.90 Heat String to 1870'

7 5/8" 40 # K-55 @ 4519'

2 7/8" Tubing EUE 8rd N80

Packer: 7" Lokset @ 9254
 (Bottom part of a previous Lokset
 was left @ 9265' Mar '80)

TOL: 4 1/2" @ 9738'

9920' Tight spot in 4 1/2"

7" Shoe: 10,052' 23+26 # 1/-80

Perfs: 10,409-11,545' Aug '73

58 holes

Perfs: 10,805-11,953' May '73

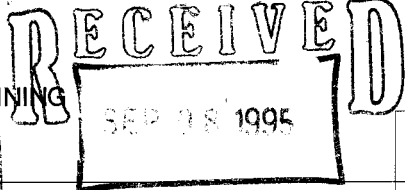
16 holes

PRTD
IFKH

31-Aug-94

4 1/2" Shoe: 12,024' 13.5# P-110

TD w/ 14.6 ppq. 11.0. Cont w/ 621 sx 50/50 132

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS, GAS & MINING

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

Fee

6. If Indian, Allottee or Tribe Name:

Ute

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Christman Blann #1-31B4

9. API Well Number:

43-013-30198

10. Field and Pool, or Wildcat:

Altamont

1. Type of Well:

OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Coastal Oil & Gas Corporation

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages:

1257' FNL & 1552' FEL

County:

Duchesne

QQ, Sec., T., R., M.:

NW/NE Section 31-T2S-R4W

State:

Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit In Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Install Rotaflex | |

Date of work completion 3/29/95

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological history for work performed on the subject well.

13.

Name & Signature:

Sheila Bremer

Title: Environmental & Safety Analyst

Date:

09/06/95

(This space for State use only)

tax credit ✓
10/3/95

COASTAL OIL & GAS CORPORATION
CHRONOLOGICAL HISTORY

PAGE 1

CHRISTMAN BLANN #1-31B4 (INSTALL ROTAFLEX)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 95.000305% COGC/ANR AFE: 14867
TD: 12,024' PBD: 11,964'
4½" LINER 9,738'-12,024'
PERFS: 10,409'-11,953'
CWC(M\$): 150.0

- 3/18/95 Prep to unflange WH.
MIRU workover rig. CC: \$1,364
- 3/19/95 TOOH w/2½" tbg & Lokset pkr.
Cut bolts on WH & ND tree. RU Delsco. Pulled SV (tagged FL @ 4950'). RD Delsco. NU BOP's. TOOH w/57 jts tbg. ND BOP's. Unset 7" Lokset pkr. ND WH, NU BOP's. TOOH w/96 jts 2½" 8rd tbg. CC: \$5,243
- 3/20/95 TIH w/production BHA.
TOOH w/198 jts 2½" 8rd tbg, pump cavity & 7" Lokset pkr. PU 7" scraper & TIH to 6500' - tagged paraffin. Pmpd 80 bbls hot wtr down tbg. TIH w/remaining tbg, tag top of 2½" scab liner @ 9363'. TOOH w/workstring. CC: \$11,840
- 3/21/95 TIH w/rods.
TIH w/BHA (steel plug, PBGA, 4' 2½" sub, SN, 7 jts 2½", 7" Mtn States AC and 287 jts 2½" 8rd tbg. Set TAC @ 8982'. SN @ 9202' (end of gas anchor @ 9240'. ND BOP's. Set anchor w/18,000# tension & landed in WH donut. NU WH. PU Highland 1¼" pump & 8 - ¾" rods. CC: \$14,261
- 3/22/95 Well on production.
TIH w/91 - ¾", 122 - ½", 119 - 1" rods. Spaced out pump. RDMO. CC: \$47,208
- 3/22/95 Pmpd 0 BO, 196 BW, 0 MCF, 3.5 SPM, 13 hrs. CC: \$150,800
- 3/23/95 Pmpd 8 BO, 311 BW, 76 MCF, 3.5 SPM.
Check FL & dyno today. Probably will speed up unit.
- 3/24/95 Pmpd 30 BO, 244 BW, 168 MCF, 4.7 SPM.
- 3/25/95 Pmpd 22 BO, 148 BW, 183 MCF, 4.7 SPM.
- 3/26/95 Pmpd 37 BO, 394 BW, 195 MCF, 4.7 SPM.
- 3/27/95 Pmpd 28 BO, 133 BW, 192 MCF, 4.7 SPM.
- 3/28/95 Pmpd 16 BO, 118 BW, 178 MCF, 4.7 SPM. Pmpd off. Will slow down.
- 3/29/95 Pmpd 43 BO, 184 BW, 193 MCF, 3.4 SPM.
- Prior prod: 0 BOPD, 0 BWPd, 0 MCFPD. Final report.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

2017

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well:

OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Coastal Oil & Gas Corporation

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages:

1257' FNL & 1552' FEL

QQ, Sec., T., R., M.:

NW/NE Section 31-T2S-R4W

5. Lease Designation and Serial Number:

Fee

6. If Indian, Allottee or Tribe Name:

Ute

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Christman Blann #1-31B4

9. API Well Number:

43-013-30198

10. Field and Pool, or Wildcat:

Altamont

County: Duchesne

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit In Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Convert to Injection | <input checked="" type="checkbox"/> Perforate |
| <input checked="" type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other CO | |

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

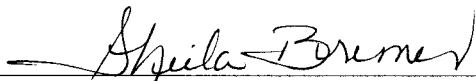
* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached workover procedure for work to be performed on the subject well.

13.

Name & Signature:

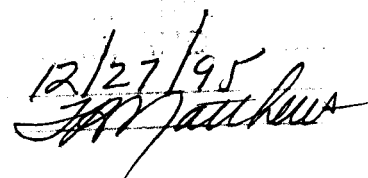


Sheila Bremer

Title: Environmental & Safety Analyst

Date: 12/19/95

(This space for State use only)

12/27/95


CHRISTMAN-BLANN 1-31B4
Section 31 T2S R4W
Altamont Field
Duchesne Co., Utah

PROCEDURE:

1. MIRU PU. POOH w/rods & pump. NDWH. Rls TAC which is set @ 8982'. NUBOP. POOH w/tbg.
2. RIH w/shoe, washpipe and junk baskets on 2-7/8" tbg. Attempt to washover lower half of Loc-Set pkr sitting on liner top @ 9738'. POOH
3. MIRU CTU. CO to PBTD @ 11,950'. Downhole jetting tool may be needed due to compacted fill.
4. MIRU WL Co. Perf the following interval with a 2" RTT gun loaded w/3 JSPF.

10,483-11,940' 76' 228 holes

Tie into Gearhart GR log dated 4/28/73 for depth control.

5. RIH w/retr pkr on 3-1/2" 9.3# N-80 tbg. Set pkr @ 9300'. PT csg to 1000 psi.
6. MIRU Dowell to acidize interval from 10,409-11,953' w/9000 gals 15% HCl per attached treatment schedule. MTP 9000 psi.
7. Swab back load and test. Rls pkr, POOH.
8. RIH w/production equipment per design. Return well to production.

Well Name: C. Blann 1-31B4Date: 12/5/95

Fluid Description	Stage #	3% KCl (Gal)	Gelled 10 ppg Brine (Gal)	15 % Acid Vol. (Gal)	Ball Sealers (#, Sg)
Pad	1	3,400			
Acid	2			1,000	75
Divertor	3		2,000		
Acid	4			3,500	150
Divertor	5		1,500		
Acid	6			4,500	225
Flush	7	5,700			
Totals	(gals):	9,100	3,500	9,000	450, 1.1 S.G.
	(bbls):	217	83	214	

Gelled Saltwater to contain: _1/2_ppg BAF_1/2_ppg Rock Salt_0_ppg Wax Beads_Y_ Crosslinked?YF140 Crosslinked gel

BLAND #1-31B4
Perforation Schedule

Schlum. Dual Ind. Run #2 (4/14/73)	Schlum. Sonic * Run #2 (4/15/73)	Go Gamma Run #1 (4/28/73)
10,483	10,476	10,478
10,499	10,491	10,493
10,525	10,517	10,519
10,542	10,533	10,535
10,549	10,541	10,543
10,563	10,555	10,557
10,572	10,564	10,565
10,626	10,615	10,619
10,633	10,622	10,626
11,644	10,633	10,637
11,653	10,643	10,647
10,667	10,654	10,658
10,683	10,672	10,676
10,702	10,691	10,695
10,734	10,723	10,727
10,744	10,732	10,736
10,750	10,739	10,743
10,787	10,775	10,781
10,810	10,798	10,804
10,860	10,848	10,853
10,866	10,854	10,859
10,978	10,967	10,971
10,988	10,977	10,981
10,993	10,982	10,986
11,022	11,011	11,016
11,098	11,091	11,094
11,102	11,095	11,098
11,156	11,148	11,150
11,184	11,176	11,178
11,223	11,215	11,217
11,233	11,225	11,227
11,249	11,241	11,243
11,286	11,277	11,279
11,298	11,289	11,291
11,312	11,303	11,305
11,320	11,311	11,313
11,344	11,335	11,337
11,351	11,342	11,344
11,369	11,360	11,362

Schlum. Dual Ind. Run #2 (4/14/73)	Schlum. Sonic * Run #2 (4/15/73)	Go Gamma Run #1 (4/28/73)
11,397	11,388	11,390
11,410	11,401	11,403
11,450	11,441	11,443
11,459	11,450	11,452
11,467	11,456	11,458
11,485	11,476	11,478
11,500	11,491	11,493
11,547	11,539	11,541
11,569	11,561	11,563
11,618	11,611	11,613
11,630	11,623	11,625
11,645	11,638	11,640
11,671	11,665	11,666
11,683	11,677	11,678
11,687	11,681	11,682
11,712	11,707	11,707
11,723	11,717	11,717
11,731	11,725	11,725
11,743	11,737	11,739
11,756	11,750	11,751
11,762	11,756	11,757
11,778	11,773	11,774
11,789	11,784	11,785
11,795	11,790	11,791
11,818	11,813	11,813
11,825	11,819	11,819
11,833	11,827	11,827
11,850	11,846	11,845
11,866	11,862	11,861
11,871	11,867	11,866
11,890	11,886	11,885
11,896	11,892	11,891
11,901	11,897	11,896
11,915	11,911	11,910
11,925	11,921	11,920
11,934	11,930	11,929
11,940	11,936	11,935
11,955	11,951	11,951

76
~~77~~ ZONES

* Depths for the initial perforations (10,409 - 11,545) completed on 8/73 were probably picked on the Sonic log.

S. H. Laney 11/15/95

CHRISTMAN BLANN 1-31B4

Sec 31; 2S; 4W

Average Production:
25 BOPD
125 BWPD
85 MCFD

Comments:
SWD line to L. Russel 2-32B4

2 7/8" Scab Liner
9399-10,350'
Cemented w/45 sx

TOL: 4 1/2" @ 9738'

7" Shoe: 10,052'

Perfs: 10,409-11,545' Aug '73
58 holes
Perfs: 10,805-11,953' May '73
16 holes

31-Aug-94

4 1/2" Shoe: 12,024'

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:	5. Lease Designation and Serial Number: Fee
2. Name of Operator: Coastal Oil & Gas Corporation	6. If Indian, Allottee or Tribe Name: Ute
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455	7. Unit Agreement Name: N/A
4. Location of Well Footages: 1257' FNL & 1552' FEL QQ, Sec., T., R., M.: NW/NE Section 31-T 2S-R4W	8. Well Name and Number: Christman Blann #1-31B4 9. API Well Number: 43-013-30198 10. Field and Pool, or Wildcat: Altamont
County: Duchesne State: Utah	

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit In Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input checked="" type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input checked="" type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other CO | |

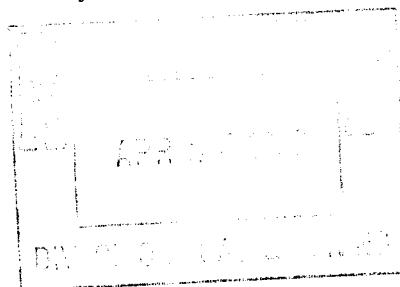
Date of work completion 4/7/96

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological history for work performed on the subject well.



13.

Name & Signature:

Sheila Bremer

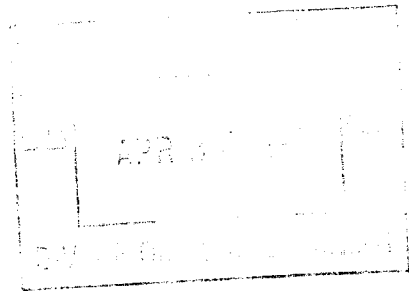
Sheila Bremer

Title: Environmental & Safety Analyst Date: 04/22/96

(This space for State use only)

COASTAL OIL & GAS CORPORATION
CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (PERF & ACIDIZE)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 100.00% COGC AFE: 10625
TD: 12,025' PBTD: 11,950'
4½" LINER @ 9738'-12,024'
PERFS: 10,409'-11,953'
CWC(M\$): 153.4



- 3/7/96 Rig Up.
MIRU workover rig.
- 3/8/96 RIH w/2⅞".
Spot rig in. RU rig, pump 50 bbls prod water down csg, pull pump off seat. Flush rods w/55 bbls prod water. POOH w/rods. LD pump. Change equp to 2⅞", rel anchor, RU BOPs floor. POOH w/287 jts 2⅞" tallying, 7" anchor, 7 jts 2⅞", SN, 4½" PBGA, steel plug. RIH w/3½" collar, 3½"x2⅞" xover 80 jts 2⅞" to \$5148.
- 3/9/96 POOH w/2⅞".
Bleed off well, RIH w/219 jts 2⅞", tag @ 9366'. PO 7' flush tbg w/90 bbls fresh. RU Hallibuton video. RIH. See top of fish @ 9371'. RIH to 9426'. See 2⅞" collar @ 9426', 9394'. POOH w/camera. RD Halliburton. Leave csg open to treater. CC: \$14,757.
- 3/10/96 No activity.
- 3/11/96 RIH w/2⅞".
Open wellup - slight blow. POOH w/299 jts 2⅞", xover, 3½" collar. RU Delso. Run 2⅞" gauge ring, tag @ 9371'. Work through. RIH to 10,351'. Stack out, can't get through. 2⅞" scab liner @ 9366'-10,350'. No indication of 20' tools ging completely out end of 2⅞" liner. POOH. RD Delso. Decide to run coiled tbg. PU M. States 7" 32A pkr, 120 jts 2⅞" to 3738'. Leave csg open to treater. CC: \$17,899.
- 3/12/96 RU continuous tbg.
Bleed off well. RIH w/2⅞". Set 7" 32A @ 9344' w/20,000# tension. RU Delso. Run 1¾" gauge ring to 11,694'. POOH. RD. CC: \$19,797.
- 3/13/96 RIH w/coiled tbg..
Bleed off csg - 50 psi. Tbg press 1100 psi. Bleed off - kicking oil. RU Camco coiled tbg. RIH to 9371', can't get tbg in to scab liner. POOH w/coiled tbg to 7600' - hydraulic hose broke. Wait for repairs. POOH w/coiled tbg. RD Camco. Rel 7" pkr, add subs, set 7" pkr @ 9368' w/25,000# tension. CC: \$23,671.
- 3/14/96 RIH w/cont tbg.
Open tbg up, 75#, bled off. RU & RIH w/1½" wash tool & knuckle jt on 1½" coiled tbg. Work into top of 2⅞" liner @ 9371' for 10'. Attempt to circ w/FW & N₂ - no success. POH to 5000' & circ down to top of liner @ 9371' w/FW & 1500 SCF/BBL N₂. Could not work into liner. RIH w/stabilizer on 1½" CT to 11,694'. Could not wash past 11,694'. CC: \$51,685.
- 3/15/96 RIH w/bailer.
Csg press 0#, tbg press 725#, bleed off. RU Camco coiled tbg. RIH w/1.84 od hiptrippier bit to 11,694'. Circ & hammer drill to 11,749', get some frac balls, sand, metal shvings inreturns. No headway. POOH w/tbg, bit. Bit looked okay. CC: \$70,603.
- 3/16/96 Bail balls.
Csg press 0#, tbg press 1000#, bleed off. RU Delso WL, RIH w/1¾" od bailer to bail out frac balls. Make 6 runs. Get some frac balls, fill out. CC: \$72,764.

COASTAL OIL & GAS CORPORATION
CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (PERF & ACIDIZE)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 100.00% COGC AFE: 10625

- 3/17/96 WOO.
RU Delso, RIH w/ball catcher-bailer. Make 4 runs, rec frac balls, sand, round scale, about 1 qt. recovered. CC: \$73,500.
- 3/18/96 RIH w/coil tbg.
Open tbg, 1100#, bleed off. RU Camco coiled tbg, RIH w/1.84" od Hipptripper bit, 1½" tbg to 11,748'. Drill & circ to 11,754'. POOH w/tbg, bit. 7 hrs drilling made 6 ft. CC: \$91,222.
- 3/19/96 RIH w/3½" tbg.
Open tbg up, 425#, bleed off. RU Camco coil tbg, RIH w/1.75" OD button bit w/hipptripper, 1.50 coiled tbg. Tag @ 11,754'. Start drill & circ, no head way, got stuck, try to work free 1 hour, pull free. POOH w/tbg, bit. Bit had scar marks from metal, suspect metal junk in hole. RD CTU. Rel 7" pkr & POOH w/2½" tbg. Change equip to 3½", leave csg open to treater. CC: \$107,306.
- 3/20/96 Perf.
Bleed off well. PU M. States 7" HD pkr, 3½' tbg, set pkr @ 9351' w/30,000# compression. Fill csg w/155 bbls prod water. Press test to 1000#, hold. CCL \$111,623.
- 3/21/96 Acidize.
Open tbg up - 575 psi. RU WL to log perf. Run Gamma Log, find PBDT @ 11,744', log to 9300'. Perf w/1-11/16" gun, 0° phase.
Run 1: 11,739'-11,362', 20 ft, 60 holes, FL N/A, 0 psi.
Run 2: 11,344'-10,853', 19 ft, 57 holes, FL N/A, 0 psi.
Run 3: 10,804'-10,478', 19 ft, 57 holes, FL N/A, 0 psi.
No response after perf'g. Couldn't perf 11,751'-11,935' (18'). RD WL. Will acidize 3/25/96 a.m. CC: \$127,655.
- 3/22/96 Prep to acidize.
- 3/23-24/96 No activity.
- 3/25/96 Swab.
RU Dowell, open well up, 1350 psi. Acidize perfs 10,409'-11,739' w/9000 gals 15% HCL + diverter. Avg rate 22 BPM, max rate 36 BPM, ave press 8400#, max press 9000#, ISIP 3000# - 5 min 2641#, 10 min 1808#, 15 min 1305#. Diversion good. Total load 525 bbls. RD Dowell. RU to swab. Made 17 runs, FL 1st run 3000', ph 5. FFL 4100', ph 4, trace oil. Rec 138 total bbls, trace oil. Left to rec 387 bbls. CC: \$159,484.
- 3/26/96 RIH w/production.
Open tbg up, 675#. Bled off. Made 2 swab run. 1st run FL @ 4700', ph 5, 8 bbls, 25% oil. Last run FL 4000', ph 5, 8 bbls, 25% oil. Swabbed 16 BF total - 12 BW, 4 BO. Left to recover 375 bbls. RD swab equip. Rel pkr. LD 3½" tbg. Change equip to 2½". CC: \$165,181.
- 3/27/96 Rig down rig, put on production.
Bleed off well. PU BHA & 295 jts 2½". RD floor, remove BOPs. Set A/C @ 9324' w/28,000# tension. SN @ 9225'. Change equip ro rods. PU 1¼" pump, rods space out, add subs. PU polish rod. Seat pump. Fill tbg w/ 25 bbls prod water. Press test to 500 psi, strokes good. Load out equip, clean location. CC: \$169,856.

COASTAL OIL & GAS CORPORATION
CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (PERF & ACIDIZE)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 100.00% COGC AFE: 10625

3/28/96 Well on production.
RD rig. Clean location. Move roto flex forward. Won't run, wait for electrician. Get
rotoflex working, well running fine. Turn over to pumper. CC: \$184,709.

Pmpd 8 BO, 299 BW, 26 MCF, 4.1 SPM, 20 hrs.

3/29/96 Pmpd 57 BO, 259 BW, 110 MCF, 4.1 SPM.

3/30/96 Pmpd 60 BO, 267 BW, 149 MCF, 4.1 SPM.

3/31/96 Pmpd 41 BO, 215 BW, 131 MCF, 4.1 SPM.

4/1/96 Pmpd 27 BO, 287 BW, 105 MCF, 4.1 SPM.

4/2/96 Pmpd 16 BO, 163 BW, 93 MCF, 4.1 SPM.

4/3/96 Pmpd 22 BO, 152 BW, 83 MCF, 3.4 SPM.

4/4/96 Pmpd 19 BO, 144 BW, 80 MCF, 3.4 SPM.

4/5/96 Pmpd 13 BO, 135 BW, 80 MCF, 3.4 SPM.

4/6/96 Pmpd 17 BO, 134 BW, 83 MCF, 3.4 SPM.

4/7/96 Pmpd 16 BO, 117 BW, 74 MCF, 3.4 SPM, 54% POC - pmpd off.
Prior Prod: 6 BO, 50 BW, 30 MCF.
Final Report.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: _____		5. Lease Designation and Serial Number: Fee
2. Name of Operator: Coastal Oil & Gas Corporation		6. If Indian, Allottee or Tribe Name: Ute
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455		7. Unit Agreement Name: N/A
4. Location of Well Footages: 1257' FNL & 1552' FEL QQ, Sec., T., R., M.: NW/NE Section 31-T 2S-R4W		8. Well Name and Number: Christman Blann #1-31B4 9. API Well Number: 43-013-30198
10. Field and Pool, or Wildcat: Altamont		County: Duchesne State: Utah

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Convert to Injection | <input checked="" type="checkbox"/> Perforate |
| <input checked="" type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____ Upon Approval _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

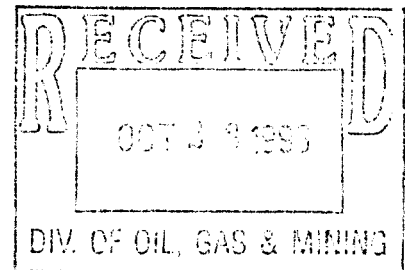
Date of work completion _____

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached workover procedure for work to be performed on the subject well.



13.

Name & Signature: Sheila Bremer Title Environmental & Safety Analyst Date 10/23/96

(This space for State use only)

Matthew *Robert Engman* *10/28/96*

CHRISTMANN-BLANN 1-31B4
Section 31 T2S R4W
Altamont Field
Duchesne Co. Utah

PROCEDURE:

1. MIRU PU. POOH w/rods and pump. NDWH. Rlse TAC set @ 9324'. NUBOP POOH w/tbg.
2. RIH w/retr pkr on 2-7/8" tbg. Hydrotest tbg GIH to 8500 psi. Set pkr @ 9340'. PT csg to 1000 psi.
3. MIRU Oilwell Perforators. RIH w/2-7/8" 10K# diff CIBP. Set plug @ 10,350'. PT plug to 1000 psi.
4. Perforate the following interval w/a 2" Scallop gun loaded w/3-6.5 gr charges/foot (.34" hole 9.25" penetration).

10,319-9374' 57' 171 holes

Tie into OWP Radioactivity log dated 3-26-96 for depth control. Perforate under full lubricator. Monitor fluid levels and surface pressures.

5. Break dn perms with produced wtr. Swab test for entry.
6. MIRU Dowell to acidize interval from 10,319-9374' w/5500 gals 15% HCL per attached treatment schedule. MTP 9000 psi.
7. Swab back load. Rlse pkr, POOH. Depending on results of swab test, either a CIBP or RBP will be set @ 9340'. This procedure assumes that both intervals will be commingled and a RBP will be set.
8. MIRU OWP. Run CBL/GR/CCL from 9300' to 4523' (base of 9-5/8" csg). Run log under 1000 psi. Perforate the following interval w/a 4" csg gun loaded w/3 JSPF, 120 degree phasing.

8210-9302' 69' 207 holes

Tie into Schlumberger Sonic log dated 3-17-83 for depth control on both the CBL and perforating. Perf under full lubricator, monitor pressures and fluid levels.

9. RIH w/RBP and ball catcher, retr pkr on 2-7/8" tbg. Set RBP @ 9340'. Set Pkr,

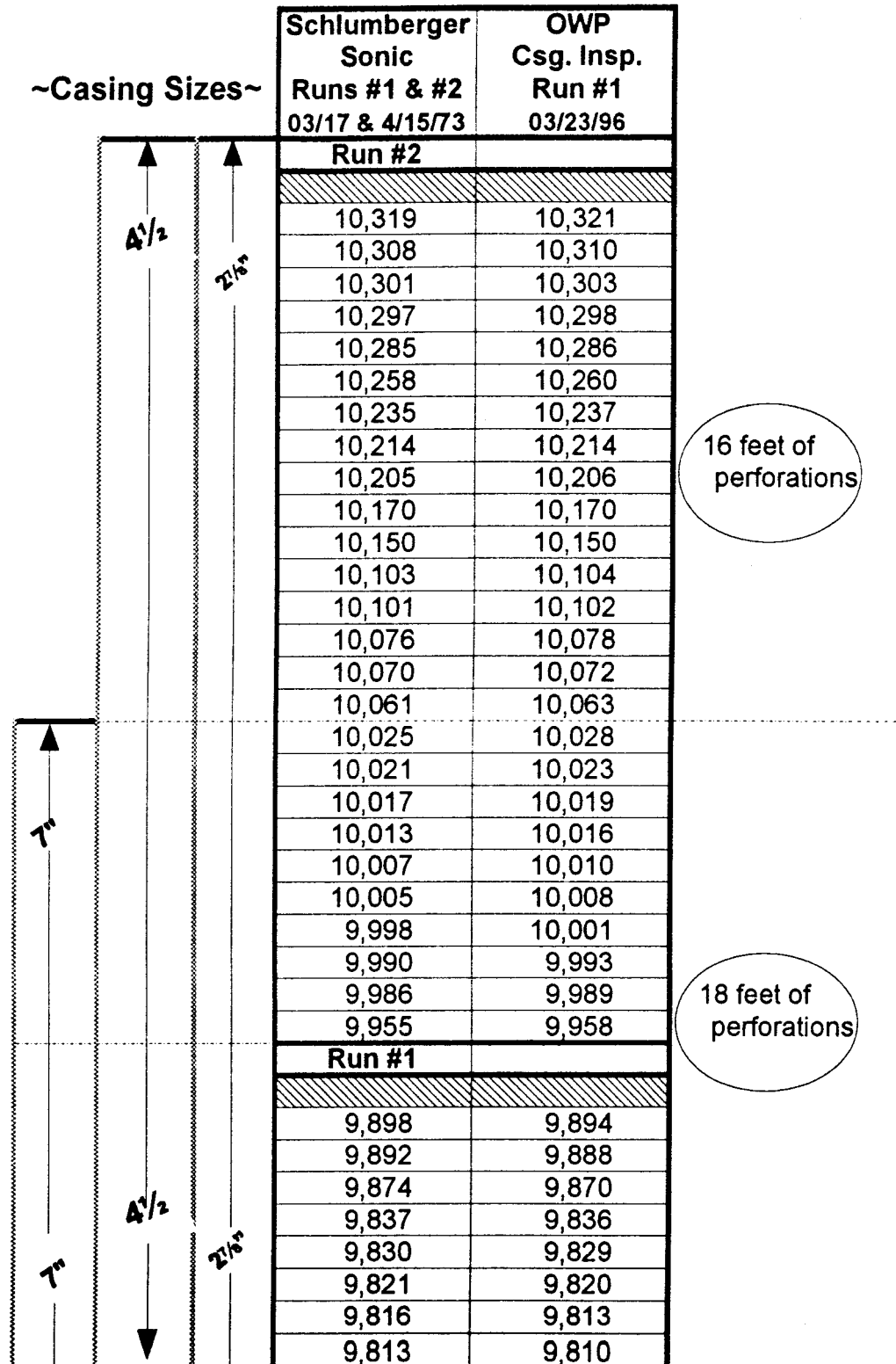
PT plug to 1000 psi. PUH set pkr @ 8200'. PT csg to 1000 psi.

10. MIRU Dowell to acidize interval from 8210-9302' w/6500 gals 15% HCL per attached treatment schedule. MTP 9000 psi.
11. Swab back load and test. Rlse pkr, PU RBP, POOH
12. RIH w/rod pump equipment. BHA and SN depth will be determined by swab rates and producing intervals.

GREATER ALTAMONT FIELD
CHRISTMAN-BLANN #1-31B4

Section 31-T2S-R4W
Duchesne County, Utah

Perforation Schedule
(Top Wasatch & Lower Green River)
September 5, 1996

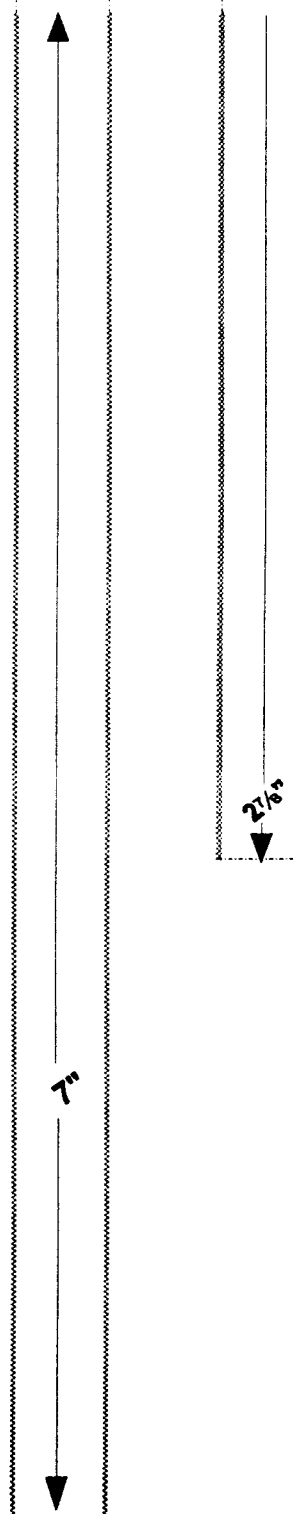


Christman-Blann #1-31B4

(Top Wasatch & Lower Green River - continued)

Page 2

~Casing Sizes~



Schlumberger Sonic Runs #1 & #2 03/17 & 4/15/73 Run #1-cont.	OWP Csg. Insp. Run #1 03/23/96 cont.
9,724	9,720
9,720	9,716
9,716	9,712
9,618	9,614
9,613	9,609
9,608	9,605
9,602	9,598
9,597	9,593
9,594	9,590
9,587	9,584
9,574	9,570
9,568	9,564
9,564	9,560
9,562	9,558
9,550	9,546
9,547	9,543
9,535	9,532
9,531	9,528
9,504	9,500
9,491	9,487
9,484	9,480
9,472	9,467
9,374	9,369
9,302	No Log
9,243	
9,239	
9,234	
9,231	
9,225	
9,207	
9,198	
9,139	
9,129	
9,125	
9,120	
9,113	
9,112	
9,096	
9,089	
9,021	
8,975	

23 feet of perforations

57 Total feet of perforations in 2 1/8"

Christman-Blann #1-31B4

(Top Wasatch & Lower Green River - continued)

Page 3

~Casing Sizes~



7"



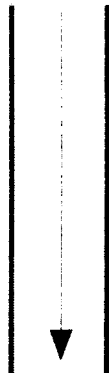
Schlumberger Sonic Runs #1 & #2 03/17 & 4/15/73 Run #1-cont.	OWP Csg. Insp. Run #1 03/23/96 cont.
8,937	
8,913	
8,901	
8,894	
8,890	
8,881	
8,871	
8,868	
8,852	
8,841	
8,837	
8,823	
8,819	
8,802	
8,763	
8,757	
8,744	
8,736	
8,732	
8,724	
8,675	
8,660	
8,650	
8,638	
8,631	
8,594	
8,591	
8,589	
8,556	
8,491	
8,460	
8,442	
8,430	
8,427	
8,410	
8,408	
8,350	
8,337	
8,324	
8,296	
8,285	

Christman-Blann #1-31B4

(Top Wasatch & Lower Green River - continued)

Page 4

~Casing Sizes~



Schlumberger Sonic Runs #1 & #2 03/17 & 4/15/73 Run #1-cont.	OWP Csg. Insp. Run #1 03/23/96 cont.
8,279	
8,275	
8,268	
8,261	
8,252	
8,248	
8,243	
8,233	
8,228	
8,210	

126 Feet

TRC 

Well Name: C. Blann #1-31B4

Date: 10/11/96

Lower Interval

Fluid Description	Stage #	3% KCl (Gal)	15 % Acid Vol. (Gal)	Ball Sealers (#, Sg)
Pad	1	1,950		
Acid	2		5,500	260
Flush	3	2,100		
Totals	(gals):	4,050	5,500	260, 1.1 S.G.
	(bbls):	96	131	

Perforations from 9,374' - 10,319'

Packer set @ 9,340'

Treatment down 2 7/8" tubing @ 9,000 psi MTP

Well Name: C. Blann #1-31B4

Date: 10/11/96

Upper Interval

Fluid Description	Stage #	3% KCl (Gal)	15 % Acid Vol. (Gal)	Ball Sealers (#, Sg)
Pad	1	1,700		
Acid	2		6,500	320
Flush	3	3,200		
Totals	(gals):	4,900	6,500	320, 1.1 S.G.
	(bbls):	117	155	

Perforations from 8,210' - 9,302'

Packer set @ 8,200'

Treatment down 2 7/8" tubing @ 9,000 psi MTP

COASTAL ALTAMONT

ID: 8014543970

COASTAL OIL & GAS CORP.

MAR 29 '96

8:03 No. 001 P. 07

Service Co. Western Oil Well Christman Blean 1-3184

#29 Greg Todd

Cntry Duchesne State UtCost 184,709Date March 27, 1996Foreman Jim Foreman

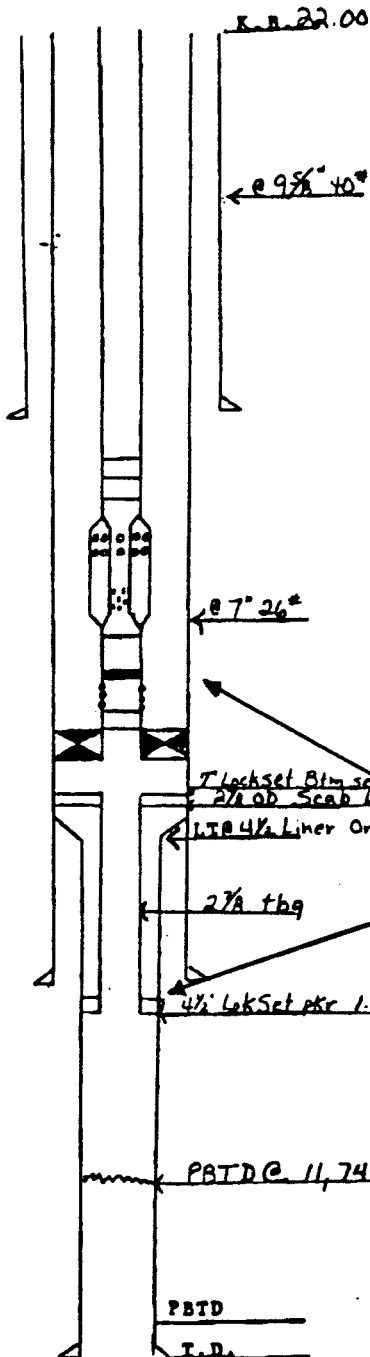
CSG DATA

SIZE	WT.	GRADE	FROM	TO
9 5/8	40	K-55	0	4519'
7"	23 26	N-80	0	10,052
4 1/2	13.5	P-110	9738	12,024

2 7/8 Scab Liner 9399 - 10350 Tbg Tally
WLM

BRIEF COMPLETION SUMMARY

MIRU POOH w/ rods, tbg. RTH w/ 2 7/8 Run
Halliburton Video Can go through partial pkr Run wireline
to 2 7/8 OD Stock @ 10,350' RTH w/ 7" 32' pkr to 9349
RTH w/ 1 1/4 drift to 11,694' Run Camco coil tbg several
times Clean out to 11,694' Try bailing out frac bats
w/ wireline Try Camco coil tbg one more time get stuck free.
PBD 11,744' PU 3/8 set pkr Perforate w/ 1 1/2 guns 10,403-11,739
Acidize w/ 9000 gal 15% HCl Soak L.D. 3 1/2 tbg
Run Production



Stretch 4.00

KB 22.00

FINAL STATUS 2 7/8 Hanger .55

295' to 2 7/8 Brd N-80 9198.55

2 7/8 455' Nipple 1.08

4' 2 7/8 Brd Sub N-80 4.00

4 1/2 PAGA new style 32.16

1 ft 2 7/8 Brd N-80 B. Band 27.61

2 7/8 Plug .73

1 ft 2 7/8 Perforated Brd 29.45

4' 2 7/8 Brd Sub N-80 4.05

M. States 7' B-2 anchor cat. 2.82

w/ carb slip set w/ 28,000 tons.

T Lockset Bim section @ 9348 WLM

2 7/8 OD Scab Liner to 10,350 WLM

1 1/2 4 1/2 Liner Original 9738'

Proposed pkr
10,319 - 8210
126'

2 7/8 tbg

4 1/2 LockSet pkr 1.98" OD EOT @ 10,321 WLM

Perfs

10,409 - 11,953

(New) 10,478 - 11,739 174 holes

PBD @ 11,744 WLM corr.

PBD

T.D.

EOT @ 9327'

Top of anchor @ 9324.18

Top of s. Nipple @ 9225.10

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: _____		5. Lease Designation and Serial Number: Fee
2. Name of Operator: Coastal Oil & Gas Corporation		6. If Indian, Allottee or Tribe Name: Ute
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455		7. Unit Agreement Name: N/A
4. Location of Well Footages: 1257' FNL & 1552' FEL QQ, Sec., T., R., M.: NW/NE Section 31-T 2S-R4W		8. Well Name and Number: Christman Blann #1-31B4
		9. API Well Number: 43-013-30198
		10. Field and Pool, or Wildcat: Altamont
		County: Duchesne State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit In Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input checked="" type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input checked="" type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

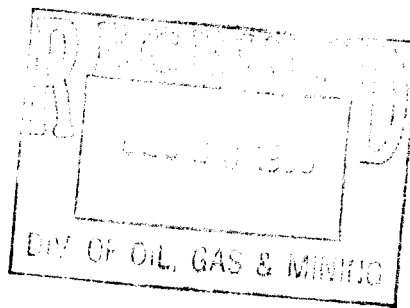
Date of work completion 11/24/96

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological history for work performed on the subject well.



13.	Name & Signature: <u>Sheila Bremer</u>	Title: <u>Environmental & Safety Analyst</u>	Date: <u>12/20/96</u>
-----	--	--	-----------------------

(This space for State use only)

WD tax credit 10/97

COASTAL OIL & GAS CORPORATION
CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (PERF & ACIDIZE)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 100.00% COGC AFE: 26618
TD: 12,025' PBD: 11,750'
4½" LINER @ 9738'-12,024'
PERFS: 10,409'-11,739'
CWC(M\$): 121.4

10/31/96 **POOH w/pump & rods.**
MIRU workover rig. Pull pump off seat. CC: \$2500.

11/1/96 **SD for WE.**
POOH w/rods & pump, xo to 2½" tbg, NU BOP. Rel TAC @ 9324', POOH w/2½". CC: \$5597.

11/2-3/96 No activity.

11/4/96 **Perf.**
PU 7" HD pkr, RU & hydrotest to 8500#. RIH w/2½" tbg, set pkr @ 9340'. Fill csg w/265 bbls treated prod water, test to 1000#, ok. Prep to perf in a.m. CC: \$10,275.

11/5/96 **Dump cmt on plug.**
MIRU OwP. RIH w/2½" CIBP, could not get in scab liner @ 9348'. POOH, rel 7" pkr @ 9340'. RIH, reset pkr @ 9345'. RIH w/2½" CIBP, set @ 10,322'. Fill tbg to test plug, plug will not test, call for 2" dump bailer, WO tools. CC: \$12,134.

11/6/96 **Perf.**
PU 2" bailer, RIH to dump cmt on plug, tag @ 9435', could not get down. POOH w/bailer & cmt. Call for tools. PU 2½" No-Go, jars. RIH, tag @ 10,322'. POOH. PU 2" bailer, RIH & dump cmt on bridge plug @ 10,322', top of cmt @ 10,317. Stuck bailer @ 10,283, work free, POOH, LD bailer. CC: \$14,756.

11/7/96 **Drop line cutter.**
Test CIBP @ 10,322', no test. PU 2" scallop gun w/3 SPF. RIH w/30' gun, stop @ 8448'. POOH. PU 15' gun, RIH, stop @ 9440'. POOH. PU 10' gun, RIH, stop @ 10,311'. FL 200'.
Run #1: 10,308'-10,235', 6 ft, 18 holes, psi 0, FL 200'.
Run #2: stuck @ 9412' w/10' gun.
Could not pull of of rope socket, call for line cutter. CC: \$17,306.

11/8/96 **RU OWP.**
PU on 2½" tbg 6', pull out of rope socket. POOH w/line, RD OWP. CC: \$32,545.

11/9/96 **Cont perf'g.**
RU OWP. Ran 2½" No-Go, ran OS, work over fish @ 9412', set off jar, fish came free, LD fish. Ran 2½" No-Go to 10,312', PU 3 guns, 9 shots, 2" scallop.

Run	Depth	Feet	Holes	PSI	FL
1	10,214'-10,170'	3	9	0	sfc
2	10,150'-10,101'	3	9	800	sfc
3	10,076'-10,061'	3	9	1100	sfc

RD OWP.

CC: \$35,100.

COASTAL OIL & GAS CORPORATION
CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (PERF & ACIDIZE)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 100.00% COGC AFE: 26618

11/10/96

Cont perf'g.

SITP 1100#, RU OWP. Pump diesel into OWP lub, perf top Wasatch & lower Green River w/2" scallop gun w/3 SPF:

Run	Depth	Feet	Holes	PSI	FL
1	10,025'-10,017'	4	9	1100	sfc
2	10,013'-9998'	4	12	1100	sfc
3	9990'-9898'	4	12	1200	sfc
4	9892'-9830'	4	12	1200	sfc
5	9892'-9720'	4	12	1200	sfc
6	9716'-9609'	4	12	1300	sfc
7	9605'-9590'	4	12	1300	sfc
total	10,025'-9590'	27	81	1300	sfc

RD OWP. Left to perf: 9584'-9369', 14 fr, 42 holes.

CC: \$37,435.

11/11/96

Swab.

PU, RIH w/2" gun, perf:

Run	Depth	Feet	Holes	PSI	FL
8	9587'-9564'	4	12	1400	sfc
9	9562'-9536'	4	12	1400	sfc
19	9531'-9484'	4	12	1400	sfc
11	9472'-9374'	4	12	1400	sfc

RD OWP. Flow well, flow 22 bbls 100% oil/1½ hrs. RU & swab, FL sfc, FFL 2000'. Rec 15 BO, 64 BW, 20% oil cut, swab 3 hrs, total fluid rec 101 bbls.

CC: \$58,666.

11/12/96

Swabbing.

1250# on tbg, well flowed 12 bbls in ½ hr. Swab, IFL sfc, FFL 6500'. Rec 59 BO, 107 BW, 40% oil cut, total 166 bbls fluid, PH 7.0, swab 6 hrs, 15-18 BPH entry rate. Air comp on rig broke a gear, rig repair, shut down 3 hrs.

CC: \$60,701.

11/13/96

Acidize.

1400 psi on tbg. Well flowed 813 bbls, swab - IFL sfc, FFL 3500'. Rec 62 BO, 56 BW, 50% oil cut, total fluid 118 bbls, prep to acidize in a.m.

CC: \$62,286.

11/14/96

Flow testing.

MIRU Dowell, acidize perfs from 9374'-10,308' w/5500 gals 15% HCL. MTP 8400#, ATP 8100#, MTR 25 BPM, ATR 20 BPM. ISIP 1750#, 15 min SIP 1163#, 264 BLTR. Open well at 9:00 a.m. on 64/64" ck - 1150# on tbg, flow well to frac tank. Flwd 193 BO, 299 BW, 145 MCF/21½ hrs, FTP 40#, 44/64" ck, drk green oil.

CC: \$82,929.

COASTAL OIL & GAS CORPORATION
CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (PERF & ACIDIZE)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 100.00% COGC AFE: 26618

11/15/96	<p>RIH, set TAC. Flow test. Rel pkr, kill well. POOH. LD pkr. PU 7" TAC & pmpg BHA. RIH, EOT 8100'. CC: \$86,314.</p>
11/16/96	<p>Slide in pmpg unit, RD. 700# on tbg, 400# on csg. Flow well 4 hrs, rec 80 BO, 45 BW, total fluid rec 135 bbls, 70% oil cut. Pump 50 bbls treated prod water down tbg, kill well. RIH, set TAC @ 9327', SN 9225', xo to rods, ND BOPs. PU 1 1/4" pump, test pump. RIH, set pump @ 9225', fill tbg w/2 bbls treated prod water, test to 1000#. SDFN, leave well open to treater. High wind all day, trouble running rods. Flwd 57 BO, 88 BW, 16 MCF overnight. CC: \$97,269.</p>
11/17/96	<p>Well on prod. RD, clean location. SD. Bad weather, now storm, roads too slick to move rig. CC: \$99,284. Pmpd 89 BO, 371 BW, 49 MCF, 4.2 SPM, 20 hrs.</p>
11/18/96	<p>Pmpd 109 BO, 175 BW, 241 MCF, 4.7 SPM, 24 hrs. Will run dyno 11/19.</p>
11/19/96	<p>Pmpd 111 BO, 71 BW, 206 MCF, 4.7 SPM, 24 hrs. Ran dyno, FL @ 2036' (SN @ 9250'), PE = 54%, struc-81%, gear box-41%, rod-82%.</p>
11/20/96	<p>Pmpd 131 BO, 67 BW, 222 MCF, 4.7 SPM, 24 hrs.</p>
11/21/96	<p>Pmpd 97 BO, 64 BW, 208 MCF, 4.7 SPM, 24 hrs.</p>
11/22/96	<p>Pmpd 65 BO, 191 BW, 123 MCF, 4.7 SPM/24 hrs.</p>
11/23/96	<p>Pmpd 55 BO, 60 BW, 120 MCF, 4.7 SPM/24 hrs.</p>
11/24/96	<p>Pmpd 71 BO, 57 BW, 104 MCF, 4.7 SPM/24 hrs. Well pmpd off. Prior Prod: 11 BO, 70 BW, 32 MCF. <u>FINAL REPORT.</u></p>

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: 368 South 1200 East CITY Vernal STATE Utah ZIP 84078 PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

COUNTY:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Name Change
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

NAME (PLEASE PRINT) Coastal Oil & Gas Corporation John T. Elzner

TITLE Vice President

SIGNATURE [Signature]

DATE 06-15-01

NAME (PLEASE PRINT) El Paso Production Oil & Gas Company John T. Elzner

TITLE Vice President

SIGNATURE [Signature]

DATE 06-15-01

(This space for State use only)

RECEIVED

JUN 15 2001

State of Delaware
Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

MAR 9 2001

DIVISION OF
OIL, GAS AND MINING



0610204 8100

010162788

Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 1061007

DATE: 04-03-01

**CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION**

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION



David L. Siddall
Vice President

Attest:


Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS
2. CDW		5-LR
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X MergerThe operator of the well(s) listed below has changed, effective: **3-09-2001**

FROM: (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

TO: (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

CA No.

Unit:

WELL(S)

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
BROTHERSON 1-22B4	43-013-30227	1780	22-02S-04W	FEE	OW	P
BROTHERSON 2-22B4	43-013-31086	1782	22-02S-04W	FEE	OW	P
BROTHERSON 1-23B4R	43-013-30483	8423	23-02S-04W	FEE	OW	P
BROTHERSON 3-23B4	43-013-31289	11141	23-02S-04W	FEE	OW	P
BROTHERSON 1-24B4	43-013-30229	1865	24-02S-04W	FEE	OW	P
BROTHERSON 1-25B4	43-013-30668	9126	25-02S-04W	FEE	OW	P
BROTHERSON 1-26B4	43-013-30336	1856	26-02S-04W	FEE	OW	P
BROTHERSON 1-27B4	43-013-30185	4735	27-02S-04W	FEE	OW	P
BLEAZARD 2-28B4 (CA 96-81)	43-013-31304	11433	28-02S-04W	FEE	OW	P
YOUNG ETAL 1-29B4	43-013-30246	1791	29-02S-04W	FEE	OW	P
WEIKART 2-29B4	43-013-31298	11332	29-02S-04W	FEE	OW	P
LAWRENCE 1-30B4	43-013-30220	1845	30-02S-04W	FEE	OW	P
YOUNG 2-30B4	43-013-31366	11453	30-02S-04W	FEE	OW	P
CHRISTMAN BLANN 1-31	43-013-30198	4745	31-02S-04W	FEE	OW	P
GRIFFITHS 1-33B4 (CA 96-119)	43-013-30288	4760	33-02S-04W	FEE	OW	P
BELCHER 2-33B4 (CA 96-119)	43-013-30907	9865	33-02S-04W	FEE	OW	P
TEW 1-1B5	43-013-30264	1870	01-02S-05W	FEE	OW	P
MILES 2-1B5	43-013-31257	11062	02-02S-05W	FEE	OW	P
POTTER 1-2B5	43-013-30293	1826	02-02S-05W	FEE	OW	P
BROTHERSON 2-2B5	43-013-31302	11342	02-02S-05W	FEE	OW	P

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

5. If **NO**, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: N/A
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 07/05/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/05/2001
3. Bond information entered in RBDMS on: 06/20/2001
4. Fee wells attached to bond in RBDMS on: 07/05/2001

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 400JU0708
2. The **FORMER** operator has requested a release of liability from their bond on: COMPLETION OF OPERATOR CHANGE
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: COMPLETION OF OPERATOR CHANGE

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 8.15.01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

Change of Operator (Well Sold)

X Operator Name Change

The operator of the well(s) listed below has changed, effective:

7/1/2006

FROM: (Old Operator):

N1845-El Paso Production O&G Company

1001 Louisiana Street

Houston, TX 77002

Phone: 1 (713) 420-2300

TO: (New Operator):

N3065-El Paso E&P Company, LP

1001 Louisiana Street

Houston, TX 77002

Phone: 1 (713) 420-2131

CA No.

Unit:

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 7/5/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 7/5/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/30/2006
4. Is the new operator registered in the State of Utah: YES Business Number: 2114377-0181
5. If **NO**, the operator was contacted on: _____
- 6a. (R649-9-2)Waste Management Plan has been received on: _____ requested 7/18/06
- 6b. Inspections of LA PA state/fee well sites complete on: ok
- 6c. Reports current for Production/Disposition & Sundries on: _____
7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA not yet
8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 7/14/2006

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 7/19/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/19/2006
3. Bond information entered in RBDMS on: 7/19/2006
4. Fee/State wells attached to bond in RBDMS on: 7/19/2006
5. Injection Projects to new operator in RBDMS on: 7/19/2006
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 7/5/2006

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 103601420
2. Indian well(s) covered by Bond Number: 103601473
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 400JU0708
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a applicable wells moved
- The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 7/20/2006

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: MULTIPLE LEASES
2. NAME OF OPERATOR: EL PASO PRODUCTION OIL AND GAS COMPANY N1845		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1339 EL SEGUNDO AVE NE ALBUQUERQUE NM 87113		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (505) 344-9380		8. WELL NAME and NUMBER: SEE ATTACHED
10. FIELD AND POOL, OR WILDCAT: SEE ATTACHED		9. API NUMBER:

4. LOCATION OF WELL

FOOTAGES AT SURFACE: SEE ATTACHED

COUNTY: UINTAH & DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: <u>CHANGE OF OPERATOR</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PLEASE BE ADVISED THAT EL PASO PRODUCTION OIL AND GAS COMPANY (CURRENT OPERATOR) HAS TRANSFERRED ITS OPERATORSHIP TO EL PASO E&P COMPANY, L.P. (NEW OPERATOR) EFFECTIVE ~~JUNE 30~~ July 1, 2006 AND THAT EL PASO E&P COMPANY, L.P. IS CONSIDERED TO BE THE NEW OPERATOR OF THE ATTACHED WELL LOCATIONS.

EL PASO E&P COMPANY, L.P. IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASED LANDS. BOND COVERAGE IS PROVIDED BY THE STATE OF UTAH STATEWIDE BLANKET BOND NO. 400JU0705, BUREAU OF LAND MANAGEMENT NATIONWIDE BOND NO. 103601420, AND BUREAU OF INDIAN AFFAIRS NATIONWIDE BOND NO. 103601473.

El Paso E & P Company, L. P. N3065
1001 Louisiana
Houston, TX 77002

William M. Griffin
William M. Griffin, Sr. Vice President

NAME (PLEASE PRINT) CHERYL CAMERON	TITLE AUTHORIZED REGULATORY AGENT
SIGNATURE <u>Cheryl Cameron</u>	DATE 6/20/2006

(This space for State use only)

APPROVED 7/19/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

RECEIVED
JUL 05 2006
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: EL PASO E&P COMPANY, L.P.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 1099 18TH ST, STE 1900 CITY DENVER STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
PHONE NUMBER: (303) 291-6400		8. WELL NAME and NUMBER: CHRISTMAN BLANN 1-31B4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1257' FNL, 1552' FEL		9. API NUMBER: 4301330198
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 31 2S 4W		10. FIELD AND POOL, OR WILDCAT: ALTAMONT
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA


TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 8/6/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

OPERATOR PERFORMED THE FOLLOWING WORK TO THE SUBJECT WELL BETWEEN 7/18/2008 AND 8/6/2008:

POOH W/ RODS AND TBG. RIH AND SET CIBP @ 9,310'. DUMP 10' SAND ON CIBP. DUMP BAIL 10' CMT ON TOP OF SAND. TOP OF CMT @ 9290'. PRESS TEST TO 1500 PSI, GOOD.
RIH W/ TBG AND PKR. SET PKR @ 8559' TEST TO 1000 PSI, GOOD.
PUMP 5000 GAL 15% HCL ACID, FRAC 4529 LBS 100 MESH SAND, 145,476 LBS 24/40 OPTIPROP.
RELEASE PKR. TIH W/ 7" CBP AND SET @ 8,710'. TEST CSG TO 1500 PSI, GOOD. PERFORATE FROM 8677'-7865', 8024'-8333' AND 8347'-8673'. SET PKR @ 7688'. TEST PKR TO 1000 PSI, GOOD.
PUMP 5000 GAL 15% HCL ACID. FRAC 13,380 LBS 100 MESH SAND, 125,589 LBS 20/40 OPTIPROP.
RELEASE PKR @ 7688'. TAGGED SAND @ 8575'. WASH SAND, CIRCULATE CLEAN AND DRILL OUT CBP. DRILLED AND WASHED OUT TO TOC @ 9290'. RIH W/ 2-7/8" TBG. SET TAC @ 7586' W/ 20K TENSION. RIH W/ PUMP. STROKE TEST TO 1000 PSI, GOOD.

RETURN WELL TO PRODUCTION ON 8/6/2008.

NAME (PLEASE PRINT) LISA PRETZ	TITLE ENGINEERING TECH
SIGNATURE 	DATE 8/28/2008

(This space for State use only)

RECEIVED

SEP 09 2008

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

6/1/2012

FROM: (Old Operator):

N3065- El Paso E&P Company, L.P.
 1001 Louisiana Street
 Houston, TX. 77002

Phone: 1 (713) 997-5038

TO: (New Operator):

N3850- EP Energy E&P Company, L.P.
 1001 Louisiana Street
 Houston, TX. 77002

Phone: 1 (713) 997-5038

CA No.

Unit:

N/A

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- Is the new operator registered in the State of Utah: Business Number: 2114377-0181
- (R649-9-2) Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 6/25/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA Not Received
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: Second Oper Chg

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/29/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/29/2012
- Bond information entered in RBDMS on: 6/29/2012
- Fee/State wells attached to bond in RBDMS on: 6/29/2012
- Injection Projects to new operator in RBDMS on: 6/29/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: 103601420
- Indian well(s) covered by Bond Number: 103601473
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0705
- The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 6/29/2012

COMMENTS:

Disposal and Injections wells will be moved when UIC 5 is received.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

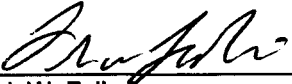
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Multiple Leases
2. NAME OF OPERATOR: El Paso E&P Company, L.P. Attn: Maria Gomez		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		8. WELL NAME and NUMBER: See Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER:
COUNTY:		10. FIELD AND POOL, OR WILDCAT: See Attached
STATE: UTAH		

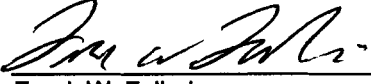
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Name/Operator</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.


Frank W. Falleri
Vice President
El Paso E&P Company, L.P.


Frank W. Falleri
Sr. Vice President
EP Energy E&P Company, L.P.

NAME (PLEASE PRINT) <u>Maria S. Gomez</u>	TITLE <u>Principal Regulatory Analyst</u>
SIGNATURE <u>Maria S. Gomez</u>	DATE <u>6/22/2012</u>

(This space for State use only)

RECEIVED

JUN 25 2012

DIV. OF OIL, GAS & MINING

APPROVED 6/29/2012
Rachael Medina
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician
Rachael Medina

(See Instructions on Reverse Side)

Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Well Type	Well Status	Conf
DWR 3-17C6	17	030S	060W	4301350070		14204621118	OW	APD	C
LAKEWOOD ESTATES 3-33C6	33	030S	060W	4301350127		1420H621328	OW	APD	C
YOUNG 3-15A3	15	010S	030W	4301350122		FEE	OW	APD	C
WHITING 4-1A2	01	010S	020W	4301350424		Fee	OW	APD	C
EL PASO 4-34A4	34	010S	040W	4301350720		Fee	OW	APD	C
YOUNG 2-2B1	02	020S	010W	4304751180		FEE	OW	APD	C
LAKE FORK RANCH 3-10B4	10	020S	040W	4301350712	18221	Fee	OW	DRL	C
LAKE FORK RANCH 4-26B4	26	020S	040W	4301350714	18432	Fee	OW	DRL	C
LAKE FORK RANCH 4-24B4	24	020S	040W	4301350717	18315	Fee	OW	DRL	C
Cook 4-14B3	14	020S	030W	4301351162	18449	Fee	OW	DRL	C
Peterson 4-22C6	22	030S	060W	4301351163	18518	Fee	OW	DRL	C
Lake Fork Ranch 4-14B4	14	020S	040W	4301351240	99999	Fee	OW	DRL	C
Melesco 4-20C6	20	030S	060W	4301351241	99999	Fee	OW	DRL	C
Peck 3-13B5	13	020S	050W	4301351364	99999	Fee	OW	DRL	C
Jensen 2-9C4	09	030S	040W	4301351375	99999	Fee	OW	DRL	C
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	C
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERHANSKY 2-2A1	02	010S	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15	030S	060W	4301351433		14-20-H62-4724	OW	NEW	C
Lake Fork Ranch 5-23B4	23	020S	040W	4301350739		Fee	OW	NEW	
Duchesne Land 4-10C5	10	030S	050W	4301351262		Fee	OW	NEW	C
Cabinland 4-9B3	09	020S	030W	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02	020S	030W	4301351389		Fee	OW	NEW	C
Golinski 4-24B5	24	020S	050W	4301351404		Fee	OW	NEW	C
Alba 1-21C4	21	030S	040W	4301351460		Fee	OW	NEW	C
Allison 4-19C5	19	030S	050W	4301351466		Fee	OW	NEW	C
Seeley 4-3B3	03	020S	030W	4301351486		Fee	OW	NEW	C
Allen 4-25B5	25	020S	050W	4301351487		Fee	OW	NEW	C
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	C
Young 2-7C4	07	030S	040W	4301351500		Fee	OW	NEW	C
Brighton 3-31A1E	31	010S	010E	4304752471		Fee	OW	NEW	C
Hamaker 3-25A1	25	010S	010W	4304752491		Fee	OW	NEW	C
Bolton 3-29A1E	29	010S	010E	4304752871		Fee	OW	NEW	C
HORROCKS 5-20A1	20	010S	010W	4301334280	17378	FEE	OW	OPS	C
DWR 3-19C6	19	030S	060W	4301334263	17440	14-20-462-1120	OW	P	
DWR 3-22C6	22	030S	060W	4301334106	17298	14-20-462-1131	OW	P	
DWR 3-28C6	28	030S	060W	4301334264	17360	14-20-462-1323	OW	P	
UTE 1-7A2	07	010S	020W	4301330025	5850	14-20-462-811	OW	P	
UTE 2-17C6	17	030S	060W	4301331033	10115	14-20-H62-1118	OW	P	
WLR TRIBAL 2-19C6	19	030S	060W	4301331035	10250	14-20-H62-1120	OW	P	
CEDAR RIM 10-A-15C6	15	030S	060W	4301330615	6420	14-20-H62-1128	OW	P	
CEDAR RIM 12A	28	030S	060W	4301331173	10672	14-20-H62-1323	OW	P	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	P	
TAYLOR 3-34C6	34	030S	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34	030S	060W	4301332634	14590	14-20-H62-1329	OW	P	
UTE 3-35Z2 K	35	010N	020W	4301331133	10483	14-20-H62-1614	OW	P	
UTE 1-32Z2	32	010N	020W	4301330379	1915	14-20-H62-1702	OW	P	
UTE TRIBAL 1-33Z2	33	010N	020W	4301330334	1851	14-20-H62-1703	OW	P	
UTE 2-33Z2	33	010N	020W	4301331111	10451	14-20-H62-1703	OW	P	
UTE TRIBAL 2-34Z2	34	010N	020W	4301331167	10668	14-20-H62-1704	OW	P	
LAKE FORK RANCH 3-13B4	13	020S	040W	4301334262	17439	14-20-H62-1743	OW	P	
UTE 1-28B4	28	020S	040W	4301330242	1796	14-20-H62-1745	OW	P	
UTE 1-34A4	34	010S	040W	4301330076	1585	14-20-H62-1774	OW	P	
UTE 1-36A4	36	010S	040W	4301330069	1580	14-20-H62-1793	OW	P	
UTE 1-1B4	01	020S	040W	4301330129	1700	14-20-H62-1798	OW	P	
UTE 1-31A2	31	010S	020W	4301330401	1925	14-20-H62-1801	OW	P	

UTE 1-25A3	25	010S	030W	4301330370	1920	14-20-H62-1802	OW	P	
UTE 2-25A3	25	010S	030W	4301331343	11361	14-20-H62-1802	OW	P	
UTE 1-26A3	26	010S	030W	4301330348	1890	14-20-H62-1803	OW	P	
UTE 2-26A3	26	010S	030W	4301331340	11349	14-20-H62-1803	OW	P	
UTE TRIBAL 4-35A3	35	010S	030W	4301350274	18009	1420H621804	OW	P	C
UTE 2-35A3	35	010S	030W	4301331292	11222	14-20-H62-1804	OW	P	
UTE 3-35A3	35	010S	030W	4301331365	11454	14-20-H62-1804	OW	P	
UTE 1-6B2	06	020S	020W	4301330349	1895	14-20-H62-1807	OW	P	
UTE 2-6B2	06	020S	020W	4301331140	11190	14-20-H62-1807	OW	P	
UTE TRIBAL 3-6B2	06	020S	020W	4301350273	18008	14-20-H62-1807	OW	P	C
POWELL 4-19A1	19	010S	010W	4301330071	8302	14-20-H62-1847	OW	P	
COLTHARP 1-27Z1	27	010N	010W	4301330151	4700	14-20-H62-1933	OW	P	
UTE 1-8A1E	08	010S	010E	4304730173	1846	14-20-H62-2147	OW	P	
UTE TRIBE 1-31	31	010N	020W	4301330278	4755	14-20-H62-2421	OW	P	
UTE 1-28B6X	28	020S	060W	4301330510	11165	14-20-H62-2492	OW	P	
RINKER 2-21B5	21	020S	050W	4301334166	17299	14-20-H62-2508	OW	P	
MURDOCK 2-34B5	34	020S	050W	4301331132	10456	14-20-H62-2511	OW	P	
UTE 1-35B6	35	020S	060W	4301330507	2335	14-20-H62-2531	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	14-20-H62-2658	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	14-20-H62-2658	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	14-20-H62-2662	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	14-20-H62-2717	OW	P	
UTE TRIBAL P-3B1E	03	020S	010E	4304730190	4536	14-20-H62-2873	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	14-20-H62-3103	OW	P	
B H UTE 1-35C6	35	030S	060W	4301330419	10705	14-20-H62-3436	OW	P	
BH UTE 2-35C6	35	030S	060W	4301332790	15802	14-20-H62-3436	OW	P	
MC FARLANE 1-4D6	04	040S	060W	4301331074	10325	14-20-H62-3452	OW	P	
UTE TRIBAL 1-11D6	11	040S	060W	4301330482	6415	14-20-H62-3454	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	14-20-H62-3806	OW	P	
UTE 2-14C6	14	030S	060W	4301330775	9133	14-20-H62-3809	OW	P	
DWR 3-14C6	14	030S	060W	4301334003	17092	14-20-H62-3809	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	14-20-H62-3855	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	14-20-H62-3860	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	14-20-H62-3868	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	14-20-H62-3880	OW	P	
UTE TRIBAL 1-30Z1	30	010N	010W	4301330813	9405	14-20-H62-3910	OW	P	
UTE LB 1-13A3	13	010S	030W	4301330894	9402	14-20-H62-3980	OW	P	
UTE 2-22B6	22	020S	060W	4301331444	11641	14-20-H62-4614	OW	P	
UINTA OURAY 1-1A3	01	010S	030W	4301330132	5540	14-20-H62-4664	OW	P	
UTE 1-6D6	06	040S	060W	4301331696	12058	14-20-H62-4752	OW	P	
UTE 2-11D6	11	040S	060W	4301350179	17667	1420H624801	OW	P	
UTE 1-15D6	15	040S	060W	4301330429	10958	14-20-H62-4824	OW	P	
UTE 2-15D6	15	040S	060W	4301334026	17193	14-20-H62-4824	OW	P	
HILL 3-24C6	24	030S	060W	4301350293	18020	1420H624866	OW	P	C
BARCLAY UTE 2-24C6R	24	030S	060W	4301333730	16385	14-20-H62-4866	OW	P	
BROTHERSON 1-2B4	02	020S	040W	4301330062	1570	FEE	OW	P	
BOREN 1-24A2	24	010S	020W	4301330084	5740	FEE	OW	P	
FARNSWORTH 1-13B5	13	020S	050W	4301330092	1610	FEE	OW	P	
BROADHEAD 1-21B6	21	020S	060W	4301330100	1595	FEE	OW	P	
ASAY E J 1-20A1	20	010S	010W	4301330102	8304	FEE	OW	P	
HANSON TRUST 1-5B3	05	020S	030W	4301330109	1635	FEE	OW	P	
ELLSWORTH 1-8B4	08	020S	040W	4301330112	1655	FEE	OW	P	
ELLSWORTH 1-9B4	09	020S	040W	4301330118	1660	FEE	OW	P	
ELLSWORTH 1-17B4	17	020S	040W	4301330126	1695	FEE	OW	P	
CHANDLER 1-5B4	05	020S	040W	4301330140	1685	FEE	OW	P	
HANSON 1-32A3	32	010S	030W	4301330141	1640	FEE	OW	P	
JESSEN 1-17A4	17	010S	040W	4301330173	4725	FEE	OW	P	

JENKINS 1-1B3	01	020S	030W	4301330175	1790	FEE	OW	P	
GOODRICH 1-2B3	02	020S	030W	4301330182	1765	FEE	OW	P	
ELLSWORTH 1-19B4	19	020S	040W	4301330183	1760	FEE	OW	P	
DOYLE 1-10B3	10	020S	030W	4301330187	1810	FEE	OW	P	
JOS. SMITH 1-17C5	17	030S	050W	4301330188	5510	FEE	OW	P	
RUDY 1-11B3	11	020S	030W	4301330204	1820	FEE	OW	P	
CROOK 1-6B4	06	020S	040W	4301330213	1825	FEE	OW	P	
HUNT 1-21B4	21	020S	040W	4301330214	1840	FEE	OW	P	
LAWRENCE 1-30B4	30	020S	040W	4301330220	1845	FEE	OW	P	
YOUNG 1-29B4	29	020S	040W	4301330246	1791	FEE	OW	P	
GRIFFITHS 1-33B4	33	020S	040W	4301330288	4760	FEE	OW	P	
POTTER 1-2B5	02	020S	050W	4301330293	1826	FEE	OW	P	
BROTHERSON 1-26B4	26	020S	040W	4301330336	1856	FEE	OW	P	
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	FEE	OW	P	
POTTER 1-24B5	24	020S	050W	4301330356	1730	FEE	OW	P	
WHITEHEAD 1-22A3	22	010S	030W	4301330357	1885	FEE	OW	P	
CHASEL MILLER 2-1A2	01	010S	020W	4301330360	5830	FEE	OW	P	
ELDER 1-13B2	13	020S	020W	4301330366	1905	FEE	OW	P	
BROTHERSON 2-10B4	10	020S	040W	4301330443	1615	FEE	OW	P	
FARNSWORTH 2-7B4	07	020S	040W	4301330470	1935	FEE	OW	P	
TEW 1-15A3	15	010S	030W	4301330529	1945	FEE	OW	P	
UTE FEE 2-20C5	20	030S	050W	4301330550	4527	FEE	OW	P	
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	FEE	OW	P	
GALLOWAY 1-18B1	18	020S	010W	4301330575	2365	FEE	OW	P	
SMITH 1-31B5	31	020S	050W	4301330577	1955	FEE	OW	P	
LEBEAU 1-34A1	34	010S	010W	4301330590	1440	FEE	OW	P	
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	P	
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	P	
POWELL 1-21B1	21	020S	010W	4301330621	910	FEE	OW	P	
HANSEN 1-24B3	24	020S	030W	4301330629	2390	FEE	OW	P	
OMAN 2-4B4	04	020S	040W	4301330645	9125	FEE	OW	P	
DYE 1-25Z2	25	010N	020W	4301330659	9111	FEE	OW	P	
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P	
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	P	
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	P	
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	FEE	OW	P	
CHRISTENSEN 2-8B3	08	020S	030W	4301330780	9355	FEE	OW	P	
LAMICQ 2-5B2	05	020S	020W	4301330784	2302	FEE	OW	P	
BROTHERSON 2-14B4	14	020S	040W	4301330815	10450	FEE	OW	P	
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	P	
HORROCKS 2-20A1 V	20	010S	010W	4301330833	8301	FEE	OW	P	
BROTHERSON 2-2B4	02	020S	040W	4301330855	8420	FEE	OW	P	
ELLSWORTH 2-8B4	08	020S	040W	4301330898	2418	FEE	OW	P	
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	P	
BELCHER 2-33B4	33	020S	040W	4301330907	9865	FEE	OW	P	
BROTHERSON 2-35B5	35	020S	050W	4301330908	9404	FEE	OW	P	
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	P	
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P	
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P	
CHANDLER 2-5B4	05	020S	040W	4301331000	10075	FEE	OW	P	
BABCOCK 2-12B4	12	020S	040W	4301331005	10215	FEE	OW	P	
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	FEE	OW	P	
BLEAZARD 2-18B4	18	020S	040W	4301331025	1566	FEE	OW	P	
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P	
ELLSWORTH 2-16B4	16	020S	040W	4301331046	10217	FEE	OW	P	
RUST 3-4B3	04	020S	030W	4301331070	1576	FEE	OW	P	
HANSON TRUST 2-32A3	32	010S	030W	4301331072	1641	FEE	OW	P	
BROTHERSON 2-11B4	11	020S	040W	4301331078	1541	FEE	OW	P	

HANSON TRUST 2-5B3	05	020S	030W	4301331079	1636	FEE	OW	P	
BROTHERSON 2-15B4	15	020S	040W	4301331103	1771	FEE	OW	P	
MONSEN 2-27A3	27	010S	030W	4301331104	1746	FEE	OW	P	
ELLSWORTH 2-19B4	19	020S	040W	4301331105	1761	FEE	OW	P	
HUNT 2-21B4	21	020S	040W	4301331114	1839	FEE	OW	P	
JENKINS 2-1B3	01	020S	030W	4301331117	1792	FEE	OW	P	
POTTER 2-24B5	24	020S	050W	4301331118	1731	FEE	OW	P	
POWELL 2-13A2 K	13	010S	020W	4301331120	8306	FEE	OW	P	
JENKINS 2-12B3	12	020S	030W	4301331121	10459	FEE	OW	P	
MURDOCK 2-26B5	26	020S	050W	4301331124	1531	FEE	OW	P	
BIRCH 3-27B5	27	020S	050W	4301331126	1783	FEE	OW	P	
ROBB 2-29B5	29	020S	050W	4301331130	10454	FEE	OW	P	
LAKE FORK 2-13B4	13	020S	040W	4301331134	10452	FEE	OW	P	
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	P	
HANSON 2-9B3	09	020S	030W	4301331136	10455	FEE	OW	P	
ELLSWORTH 2-9B4	09	020S	040W	4301331138	10460	FEE	OW	P	
UTE 2-31A2	31	010S	020W	4301331139	10458	FEE	OW	P	
POWELL 2-19A1 K	19	010S	010W	4301331149	8303	FEE	OW	P	
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	P	
POTTER 2-6B4	06	020S	040W	4301331249	11038	FEE	OW	P	
MILES 2-1B5	01	020S	050W	4301331257	11062	FEE	OW	P	
MILES 2-3B3	03	020S	030W	4301331261	11102	FEE	OW	P	
MONSEN 2-22A3	22	010S	030W	4301331265	11098	FEE	OW	P	
WRIGHT 2-13B5	13	020S	050W	4301331267	11115	FEE	OW	P	
TODD 2-21A3	21	010S	030W	4301331296	11268	FEE	OW	P	
WEIKART 2-29B4	29	020S	040W	4301331298	11332	FEE	OW	P	
YOUNG 2-15A3	15	010S	030W	4301331301	11344	FEE	OW	P	
CHRISTENSEN 2-29A4	29	010S	040W	4301331303	11235	FEE	OW	P	
BLEAZARD 2-28B4	28	020S	040W	4301331304	11433	FEE	OW	P	
REARY 2-17A3	17	010S	030W	4301331318	11251	FEE	OW	P	
LAZY K 2-11B3	11	020S	030W	4301331352	11362	FEE	OW	P	
LAZY K 2-14B3	14	020S	030W	4301331354	11452	FEE	OW	P	
MATTHEWS 2-13B2	13	020S	020W	4301331357	11374	FEE	OW	P	
LAKE FORK 3-15B4	15	020S	040W	4301331358	11378	FEE	OW	P	
STEVENSON 3-29A3	29	010S	030W	4301331376	11442	FEE	OW	P	
MEEKS 3-8B3	08	020S	030W	4301331377	11489	FEE	OW	P	
ELLSWORTH 3-20B4	20	020S	040W	4301331389	11488	FEE	OW	P	
DUNCAN 5-13A2	13	010S	020W	4301331516	11776	FEE	OW	P	
OWL 3-17C5	17	030S	050W	4301332112	12476	FEE	OW	P	
BROTHERSON 2-24 B4	24	020S	040W	4301332695	14652	FEE	OW	P	
BODRERO 2-15B3	15	020S	030W	4301332755	14750	FEE	OW	P	
BROTHERSON 2-25B4	25	020S	040W	4301332791	15044	FEE	OW	P	
CABINLAND 2-16B3	16	020S	030W	4301332914	15236	FEE	OW	P	
KATHERINE 3-29B4	29	020S	040W	4301332923	15331	FEE	OW	P	
SHRINERS 2-10C5	10	030S	050W	4301333008	15908	FEE	OW	P	
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	P	
MORTENSEN 4-32A2	32	010S	020W	4301333211	15720	FEE	OW	P	
FERRARINI 3-27B4	27	020S	040W	4301333265	15883	FEE	OW	P	
RHOADES 2-25B5	25	020S	050W	4301333467	16046	FEE	OW	P	
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P	
ANDERSON-ROWLEY 2-24B3	24	020S	030W	4301333616	16284	FEE	OW	P	
SPROUSE BOWDEN 2-18B1	18	020S	010W	4301333808	16677	FEE	OW	P	
BROTHERSON 3-11B4	11	020S	040W	4301333904	16891	FEE	OW	P	
KOFFORD 2-36B5	36	020S	050W	4301333988	17048	FEE	OW	P	
ALLEN 3-7B4	07	020S	040W	4301334027	17166	FEE	OW	P	
BOURNAKIS 3-18B4	18	020S	040W	4301334091	17264	FEE	OW	P	
MILES 3-12B5	12	020S	050W	4301334110	17316	FEE	OW	P	
OWL and HAWK 2-31B5	31	020S	050W	4301334123	17388	FEE	OW	P	

OWL and HAWK 4-17C5	17	030S	050W	4301334193	17387	FEE	OW	P	
DWR 3-32B5	32	020S	050W	4301334207	17371	FEE	OW	P	
LAKE FORK RANCH 3-22B4	22	020S	040W	4301334261	17409	FEE	OW	P	
HANSON 3-9B3	09	020S	030W	4301350065	17570	FEE	OW	P	
DYE 2-28A1	28	010S	010W	4301350066	17531	FEE	OW	P	
MEEKS 3-32A4	32	010S	040W	4301350069	17605	FEE	OW	P	
HANSON 4-8B3	08	020S	030W	4301350088	17571	FEE	OW	P	C
LAKE FORK RANCH 3-14B4	14	020S	040W	4301350097	17484	FEE	OW	P	
ALLEN 3-9B4	09	020S	040W	4301350123	17656	FEE	OW	P	
HORROCKS 4-20A1	20	010S	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	010S	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHIODO 3-20C5	20	030S	050W	4301350190	17541	FEE	OW	P	
ALLEN 3-8B4	08	020S	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	030S	050W	4301350193	17532	FEE	OW	P	
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	P	
EL PASO 4-29B5	29	020S	050W	4301350208	17934	FEE	OW	P	C
DONIHUE 3-20C6	20	030S	060W	4301350270	17762	FEE	OW	P	
HANSON 3-5B3	05	020S	030W	4301350275	17725	FEE	OW	P	C
SPRATT 3-26B5	26	020S	050W	4301350302	17668	FEE	OW	P	
REBEL 3-35B5	35	020S	050W	4301350388	17911	FEE	OW	P	C
FREEMAN 4-16B4	16	020S	040W	4301350438	17935	Fee	OW	P	C
WILSON 3-36B5	36	020S	050W	4301350439	17936	Fee	OW	P	C
EL PASO 3-21B4	21	020S	040W	4301350474	18123	Fee	OW	P	C
IORG 4-12B3	12	020S	030W	4301350487	17981	Fee	OW	P	C
CONOVER 3-3B3	03	020S	030W	4301350526	18122	Fee	OW	P	C
ROWLEY 3-16B4	16	020S	040W	4301350569	18151	Fee	OW	P	C
POTTS 3-14B3	14	020S	030W	4301350570	18366	Fee	OW	P	C
POTTER 4-27B5	27	020S	050W	4301350571	99999	Fee	OW	P	C
EL PASO 4-21B4	21	020S	040W	4301350572	18152	Fee	OW	P	C
LAKE FORK RANCH 3-26B4	26	020S	040W	4301350707	18270	Fee	OW	P	C
LAKE FORK RANCH 3-25B4	25	020S	040W	4301350711	18220	Fee	OW	P	C
LAKE FORK RANCH 4-23B4	23	020S	040W	4301350713	18271	Fee	OW	P	C
LAKE FORK RANCH 4-15B4	15	020S	040W	4301350715	18314	Fee	OW	P	C
LAKE FORK RANCH 3-24B4	24	020S	040W	4301350716	18269	Fee	OW	P	C
GOLINSKI 1-8C4	08	030S	040W	4301350986	18301	Fee	OW	P	C
J ROBERTSON 1-1B1	01	020S	010W	4304730174	5370	FEE	OW	P	
TIMOTHY 1-8B1E	08	020S	010E	4304730215	1910	FEE	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	FEE	OW	P	
NELSON 1-31A1E	31	010S	010E	4304730671	830	FEE	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	FEE	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	FEE	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	FEE	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	FEE	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	FEE	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	FEE	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	FEE	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	FEE	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	FEE	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23	010N	010W	4304731479	10310	FEE	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	FEE	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	FEE	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	FEE	OW	P	
WINN P2-3B1E	03	020S	010E	4304732321	11428	FEE	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	FEE	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	FEE	OW	P	

HARVEST FELLOWSHIP CHURCH 2-14B1	14	020S	010W	4304739591	16546	FEE	OW	P	
OBERHANSKY 3-11A1	11	010S	010W	4304739679	17937	FEE	OW	P	
DUNCAN 2-34A1	34	010S	010W	4304739944	17043	FEE	OW	P	
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	FEE	OW	P	
KILLIAN 3-12A1	12	010S	010W	4304740226	17761	ML 39760	OW	P	
WAINOCO ST 1-14B1	14	020S	010W	4304730818	1420	ML-24306-A	OW	P	
UTAH ST UTE 1-35A1	35	010S	010W	4304730182	5520	ML-25432	OW	P	
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	P	
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	P	
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	P	
BLANCHARD 1-3A2	03	010S	020W	4301320316	5877	FEE	OW	PA	
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA	
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA	
JAMES POWELL 3	13	010S	020W	4301330024	8305	FEE	WD	PA	
BASTIAN 1 (3-7D)	07	010S	010W	4301330026	5800	FEE	OW	PA	
LAMICQ-URRUTY 1-8A2	08	010S	020W	4301330036	5975	FEE	OW	PA	
BLEAZARD 1-18B4	18	020S	040W	4301330059	11262	FEE	OW	PA	
OLSEN 1-27A4	27	010S	040W	4301330064	1565	FEE	OW	PA	
EVANS 1-31A4	31	010S	040W	4301330067	5330	FEE	OW	PA	
HAMBLIN 1-26A2	26	010S	020W	4301330083	2305	FEE	OW	PA	
HARTMAN 1-31A3	31	010S	030W	4301330093	10700	FEE	OW	PA	
FARNSWORTH 1-7B4	07	020S	040W	4301330097	5725	FEE	OW	PA	
POWELL 1-33A3	33	010S	030W	4301330105	4526	FEE	OW	PA	
LOTRIDGE GATES 1-3B3	03	020S	030W	4301330117	1625	FEE	OW	PA	
REMINGTON 1-34A3	34	010S	030W	4301330139	1670	FEE	OW	PA	
ANDERSON 1-28A2	28	010S	020W	4301330150	5895	FEE	OW	PA	
RHOADES MOON 1-35B5	35	020S	050W	4301330155	5270	FEE	OW	PA	
JOHN 1-3B2	03	020S	020W	4301330160	5765	FEE	OW	PA	
SMITH 1-6C5	06	030S	050W	4301330163	5385	FEE	OW	PA	
HORROCKS FEE 1-3A1	03	010S	010W	4301330171	5505	FEE	OW	PA	
WARREN 1-32A4	32	010S	040W	4301330174	9139	FEE	OW	PA	
JENSEN FENZEL 1-20C5	20	030S	050W	4301330177	4730	FEE	OW	PA	
MYRIN RANCH 1-13B4	13	020S	040W	4301330180	4524	FEE	OW	PA	
BROTHERSON 1-27B4	27	020S	040W	4301330185	1775	FEE	OW	PA	
JENSEN 1-31A5	31	010S	050W	4301330186	4735	FEE	OW	PA	
ROBERTSON 1-29A2	29	010S	020W	4301330189	4740	FEE	OW	PA	
WINKLER 1-28A3	28	010S	030W	4301330191	5465	FEE	OW	PA	
CHENEY 1-33A2	33	010S	020W	4301330202	1750	FEE	OW	PA	
J LAMICQ STATE 1-6B1	06	020S	010W	4301330210	5730	FEE	OW	PA	
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA	
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA	
ROBERTSON UTE 1-2B2	02	020S	020W	4301330225	1710	FEE	OW	PA	
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA	
BROTHERSON 1-22B4	22	020S	040W	4301330227	5935	FEE	OW	PA	
ALLRED 1-16A3	16	010S	030W	4301330232	1780	FEE	OW	PA	
BIRCH 1-35A5	35	010S	050W	4301330233	9116	FEE	OW	PA	
MARQUERITE UTE 1-8B2	08	020S	020W	4301330235	9122	FEE	OW	PA	
BUZZI 1-11B2	11	020S	020W	4301330248	6335	FEE	OW	PA	
SHISLER 1-3B1	03	020S	010W	4301330249	5960	FEE	OW	PA	
TEW 1-1B5	01	020S	050W	4301330264	5580	FEE	OW	PA	
EVANS UTE 1-19B3	19	020S	030W	4301330265	1870	FEE	OW	PA	
SHELL 2-27A4	27	010S	040W	4301330266	1776	FEE	WD	PA	
DYE 1-29A1	29	010S	010W	4301330271	99990	FEE	OW	PA	
VODA UTE 1-4C5	04	030S	050W	4301330283	4530	FEE	OW	PA	
BROTHERSON 1-28A4	28	010S	040W	4301330292	9114	FEE	OW	PA	
MEAGHER 1-4B2	04	020S	020W	4301330313	8402	FEE	OW	PA	
NORLING 1-9B1	09	020S	010W	4301330315	1811	FEE	OW	PA	
S. BROADHEAD 1-9C5	09	030S	050W	4301330316	5940	FEE	OW	PA	

TIMOTHY 1-09A3	09	010S	030W	4301330321	10883	FEE	OW	PA
BARRETT 1-34A5	34	010S	050W	4301330323	9115	FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09	020S	020W	4301330325	9121	FEE	OW	PA
PHILLIPS UTE 1-3C5	03	030S	050W	4301330333	1816	FEE	OW	PA
ELLSWORTH 1-20B4	20	020S	040W	4301330351	6375	FEE	OW	PA
LAWSON 1-28A1	28	010S	010W	4301330358	5915	FEE	OW	PA
AMES 1-23A4	23	010S	040W	4301330375	1901	FEE	OW	PA
HORROCKS 1-6A1	06	010S	010W	4301330390	5675	FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10	030S	050W	4301330393	5565	FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13	010S	020W	4301330478	10708	FEE	WD	PA
BODRERO 1-15B3	15	020S	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	030S	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	010S	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34	010S	020W	4301330753	9117	FEE	OW	PA
GOODRICH 1-24A4	24	010S	040W	4301330760	2415	FEE	OW	PA
CARL SMITH 2-25A4	25	010S	040W	4301330776	9136	FEE	OW	PA
ANDERSON 1-A30B1	30	020S	010W	4301330783	9137	FEE	OW	PA
CADILLAC 3-6A1	06	010S	010W	4301330834	6316	FEE	OW	PA
MCELPRANG 2-31A1	31	010S	010W	4301330836	8439	FEE	OW	PA
REESE ESTATE 2-10B2	10	020S	020W	4301330837	2417	FEE	OW	PA
CLARK 2-9A3	09	010S	030W	4301330876	2416	FEE	OW	PA
JENKINS 3-16A3	16	010S	030W	4301330877	9790	FEE	OW	PA
CHRISTENSEN 2-26A5	26	010S	050W	4301330905	10710	FEE	OW	PA
FORD 2-36A5	36	010S	050W	4301330911	9630	FEE	OW	PA
MORTENSEN 2-32A2	32	010S	020W	4301330929	9486	FEE	OW	PA
WILKERSON 1-20Z1	20	010N	010W	4301330942	5452	FEE	OW	PA
UTE TRIBAL 2-4A3 S	04	010S	030W	4301330950	10230	FEE	OW	PA
OBERHANSKY 2-31Z1	31	010N	010W	4301330970	9262	FEE	OW	PA
MORRIS 2-7A3	07	010S	030W	4301330977	9725	FEE	OW	PA
POWELL 2-08A3	08	010S	030W	4301330979	10175	FEE	OW	PA
FISHER 2-6A3	06	010S	030W	4301330984	10110	FEE	OW	PA
JACOBSEN 2-12A4	12	010S	040W	4301330985	10480	FEE	OW	PA
CHENEY 2-33A2	33	010S	020W	4301331042	10313	FEE	OW	PA
HANSON TRUST 2-29A3	29	010S	030W	4301331043	5306	FEE	OW	PA
BURTON 2-15B5	15	020S	050W	4301331044	10205	FEE	OW	PA
EVANS-UTE 2-17B3	17	020S	030W	4301331056	10210	FEE	OW	PA
ELLSWORTH 2-20B4	20	020S	040W	4301331090	5336	FEE	OW	PA
REMINGTON 2-34A3	34	010S	030W	4301331091	1902	FEE	OW	PA
WINKLER 2-28A3	28	010S	030W	4301331109	4519	FEE	OW	PA
TEW 2-10B5	10	020S	050W	4301331125	1751	FEE	OW	PA
LINDSAY 2-33A4	33	010S	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	010S	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3	20	010S	030W	4301331505	11691	FEE	OW	PA
SMITH 2X-23C7	23	030S	070W	4301331634	12382	FEE	D	PA
MORTENSEN 3-32A2	32	010S	020W	4301331872	11928	FEE	OW	PA
TODD USA ST 1-2B1	02	020S	010W	4304730167	99998	FEE	OW	PA
STATE 1-7B1E	07	020S	010E	4304730180	5555	FEE	OW	PA
BACON 1-10B1E	10	020S	010E	4304730881	5550	FEE	OW	PA
PARIETTE DRAW 28-44	28	040S	010E	4304731408	4537	FEE	OW	PA
REYNOLDS 2-7B1E	07	020S	010E	4304731840	4960	FEE	OW	PA
STATE 2-35A2	35	010S	020W	4301330156	4715	ML-22874	OW	PA
UTAH STATE L B 1-11B1	11	020S	010W	4304730171	5530	ML-23655	OW	PA
STATE 1-8A3	08	010S	030W	4301330286	5655	ML-24316	OW	PA
UTAH FEDERAL 1-24B1	24	020S	010W	4304730220	590	ML-26079	OW	PA
CEDAR RIM 15	34	030S	060W	4301330383	6395	14-20-462-1329	OW	S

UTE TRIBAL 2-24C7	24	030S	070W	4301331028	10240	14-20-H62-1135	OW	S	
CEDAR RIM 12	28	030S	060W	4301330344	6370	14-20-H62-1323	OW	S	
CEDAR RIM 16	33	030S	060W	4301330363	6390	14-20-H62-1328	OW	S	
SPRING HOLLOW 2-34Z3	34	010N	030W	4301330234	5255	14-20-H62-1480	OW	S	
EVANS UTE 1-17B3	17	020S	030W	4301330274	5335	14-20-H62-1733	OW	S	
UTE JENKS 2-1-B4 G	01	020S	040W	4301331197	10844	14-20-H62-1782	OW	S	
UTE 3-12B3	12	020S	030W	4301331379	11490	14-20-H62-1810	OW	S	
UTE TRIBAL 9-4B1	04	020S	010W	4301330194	5715	14-20-H62-1969	OW	S	
UTE TRIBAL 2-21B6	21	020S	060W	4301331424	11615	14-20-H62-2489	OW	S	
UTE 1-33B6	33	020S	060W	4301330441	1230	14-20-H62-2493	OW	S	
UTE 2-22B5	22	020S	050W	4301331122	10453	14-20-H62-2509	OW	S	
UTE 1-18B1E	18	020S	010E	4304730969	9135	14-20-H62-2864	OW	S	
LAUREN UTE 1-23A3	23	010S	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	020S	060W	4301331434	11624	14-20-H62-4622	OW	S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631	OW	S	
CEDAR RIM 10-15C6	15	030S	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24	030S	060W	4301330298	4533	14-20-H62-4866	OW	S	
UTE TRIBAL FEDERAL 1-30C5	30	030S	050W	4301330475	665	14-20-H62-4876	OW	S	
SMB 1-10A2	10	010S	020W	4301330012	5865	FEE	OW	S	
KENDALL 1-12A2	12	010S	020W	4301330013	5875	FEE	OW	S	
CEDAR RIM 2	20	030S	060W	4301330019	6315	FEE	OW	S	
URRUTY 2-9A2	09	010S	020W	4301330046	5855	FEE	OW	S	
BROTHERSON 1-14B4	14	020S	040W	4301330051	1535	FEE	OW	S	
RUST 1-4B3	04	020S	030W	4301330063	1575	FEE	OW	S	
MONSEN 1-21A3	21	010S	030W	4301330082	1590	FEE	OW	S	
BROTHERSON 1-10B4	10	020S	040W	4301330110	1614	FEE	OW	S	
FARNSWORTH 1-12B5	12	020S	050W	4301330124	1645	FEE	OW	S	
ELLSWORTH 1-16B4	16	020S	040W	4301330192	1735	FEE	OW	S	
MARSHALL 1-20A3	20	010S	030W	4301330193	9340	FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31	020S	040W	4301330198	4745	FEE	OW	S	
ROPER 1-14B3	14	020S	030W	4301330217	1850	FEE	OW	S	
BROTHERSON 1-24B4	24	020S	040W	4301330229	1865	FEE	OW	S	
BROTHERSON 1-33A4	33	010S	040W	4301330272	1680	FEE	OW	S	
BROTHERSON 1-23B4	23	020S	040W	4301330483	8423	FEE	OW	S	
SMITH ALBERT 2-8C5	08	030S	050W	4301330543	5495	FEE	OW	S	
VODA JOSEPHINE 2-19C5	19	030S	050W	4301330553	5650	FEE	OW	S	
HANSEN 1-16B3	16	020S	030W	4301330617	9124	FEE	OW	S	
BROTHERSON 1-25B4	25	020S	040W	4301330668	9126	FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	020S	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15	010S	040W	4301330817	9345	FEE	OW	S	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	FEE	OW	S	
FIELDSTED 2-27A4	27	010S	040W	4301330915	9632	FEE	OW	S	
HANSKUTT 2-23B5	23	020S	050W	4301330917	9600	FEE	OW	S	
TIMOTHY 3-18A3	18	010S	030W	4301330940	9633	FEE	OW	S	
BROTHERSON 2-3B4	03	020S	040W	4301331008	10165	FEE	OW	S	
BROTHERSON 2-22B4	22	020S	040W	4301331086	1782	FEE	OW	S	
MILES 2-35A4	35	010S	040W	4301331087	1966	FEE	OW	S	
ELLSWORTH 2-17B4	17	020S	040W	4301331089	1696	FEE	OW	S	
RUST 2-36A4	36	010S	040W	4301331092	1577	FEE	OW	S	
EVANS 2-19B3	19	020S	030W	4301331113	1777	FEE	OW	S	
FARNSWORTH 2-12B5	12	020S	050W	4301331115	1646	FEE	OW	S	
CHRISTENSEN 3-4B4	04	020S	040W	4301331142	10481	FEE	OW	S	
ROBERTSON 2-29A2	29	010S	020W	4301331150	10679	FEE	OW	S	
CEDAR RIM 2A	20	030S	060W	4301331172	10671	FEE	OW	S	

HARTMAN 2-31A3	31	010S	030W	4301331243	11026	FEE	OW	S	
GOODRICH 2-2B3	02	020S	030W	4301331246	11037	FEE	OW	S	
JESSEN 2-21A4	21	010S	040W	4301331256	11061	FEE	OW	S	
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S	
MYRIN RANCH 2-18B3	18	020S	030W	4301331297	11475	FEE	OW	S	
BROTHERSON 2-2B5	02	020S	050W	4301331302	11342	FEE	OW	S	
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S	
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S	
IORG 2-10B3	10	020S	030W	4301331388	11482	FEE	OW	S	
MONSEN 3-27A3	27	010S	030W	4301331401	11686	FEE	OW	S	
HORROCKS 2-5B1E	05	020S	010E	4304732409	11481	FEE	OW	S	
LARSEN 1-25A1	25	010S	010W	4304730552	815	FEE	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	FEE	OW	TA	

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

8/14/2013

FROM: (Old Operator):

N3850-EP Energy E&P Company, LP
 1001 Louisiana
 Houston, TX 77002

Phone: 1 (713) 997-5038

TO: (New Operator):

N3685- Integrated Water Management, LLC
 PO BOX 430
 Altamont, UT 84001

Phone: 1 (435) 464-4646

CA No.				Unit:	N/A			
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
Christman-Bland 1-31B4	31	02S	04W	4301330198	4745	Fee	OW	S

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/11/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/11/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/19/2013
- a. Is the new operator registered in the State of Utah: Business Number: 7707770-0160
- a. (R649-9-2) Waste Management Plan has been received on: Not Yet
- b. Inspections of LA PA state/fee well sites complete on: N/A
- c. Reports current for Production/Disposition & Sundries on: 8/19/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA N/A
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 8/19/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/19/2013
- Bond information entered in RBDMS on: 8/19/2013
- Fee/State wells attached to bond in RBDMS on: 8/19/2013
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: N/A
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0015241
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 8/19/2013

COMMENTS:

Operator request was received 11 April 2013, however bonding was not received until 14 August 2013.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECEIVED
APR 11 2013
DIV. OF OIL, GAS & MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.


1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: #163.319.002 (FEE)
2. NAME OF OPERATOR: EP Energy E&P Company, L.P. N3850		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1257' FNL & 1552' FEL		8. WELL NAME and NUMBER: Christman-Bland 1-31B4
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 31 2S 4W U		9. API NUMBER: 4301330198
STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Altamont

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that effective February 28, 2013, EP Energy E&P Company, L.P. relinquishes operations and Integrated Water Management, LLC assumes operations for the Christman Bland 1-31B4. Bond coverage for lease activities is to be provided by Integrated Water Management, LLC (bond number RLBC015241). Integrated Water Management, LLC, as operator agrees to be responsible under the terms and conditions of the lease for operations conducted upon lease lands.


JT Martin
Managing Director
Integrated Water Management, LLC
N3685

NAME (PLEASE PRINT) Thomas L. Muchard	TITLE Business Area Manager
SIGNATURE 	DATE 3/25/2013

(This space for State use only)


APPROVED

AUG 14 2013

(See Instructions on Reverse Side)

(5/2000)

DIV. OIL GAS & MINING



Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

8/14/2013

FROM: (Old Operator):

N3850-EP Energy E&P Company, LP
 1001 Louisiana
 Houston, TX 77002

 Phone: 1 (713) 997-5038

TO: (New Operator):

N3685- Integrated Water Management, LLC
 PO BOX 430
 Altamont, UT 84001

 Phone: 1 (435) 464-4646

CA No.				Unit:	N/A			
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
Christman-Bland 1-31B4	31	02S	04W	4301330198	4745	Fee	OW	S

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/11/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/11/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/19/2013
- a. Is the new operator registered in the State of Utah: Business Number: 7707770-0160
- a. (R649-9-2) Waste Management Plan has been received on: Not Yet
- b. Inspections of LA PA state/fee well sites complete on: N/A
- c. Reports current for Production/Disposition & Sundries on: 8/19/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA N/A
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 8/19/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/19/2013
- Bond information entered in RBDMS on: 8/19/2013
- Fee/State wells attached to bond in RBDMS on: 8/19/2013
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: N/A
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0015241
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 8/19/2013

COMMENTS:

Operator request was received 11 April 2013, however bonding was not received until 14 August 2013.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECEIVED
APR 11 2013
DIV. OF OIL, GAS & MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.


1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: #163.319.002 (FEE)
2. NAME OF OPERATOR: EP Energy E&P Company, L.P. N3850		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1257' FNL & 1552' FEL		8. WELL NAME and NUMBER: Christman-Bland 1-31B4
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 31 2S 4W U		9. API NUMBER: 4301330198
STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Altamont

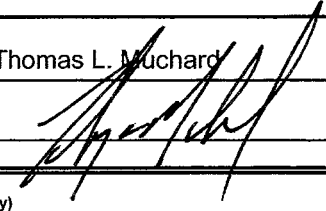
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that effective February 28, 2013, EP Energy E&P Company, L.P. relinquishes operations and Integrated Water Management, LLC assumes operations for the Christman Bland 1-31B4. Bond coverage for lease activities is to be provided by Integrated Water Management, LLC (bond number RLBC015241). Integrated Water Management, LLC, as operator agrees to be responsible under the terms and conditions of the lease for operations conducted upon lease lands.


JT Martin
Managing Director
Integrated Water Management, LLC
N3685

NAME (PLEASE PRINT) Thomas L. Muchard	TITLE Business Area Manager
SIGNATURE 	DATE 3/25/2013

(This space for State use only)


APPROVED

AUG 14 2013

(See Instructions on Reverse Side)

(5/2000)

DIV. OIL GAS & MINING





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 10, 2014

Certified Mail No. 7003 2260 0003 2358 7219

Mr. Nate Robinson
Integrated Water Management
P.O. Box 430
Altamont, UT 84001

43 013 30198
Christman Bland 1-31 B4
31 25 4W

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Nate Robinson:

As of April 2014, Integrated Water Management has one (1) Fee Lease Well (see attachment A) that is currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.

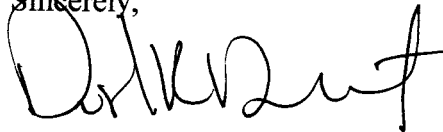
Page 2
Integrated Water Management
June 10, 2014

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

DKD/JP/js

cc: Compliance File
Well File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

	Well Name	API	LEASE	Years Inactive
1	CHRISTMAN BLAN 1-31B4	43-013-30198	FEE	1 year 5 months

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: CHRISTMAN BLAND 1-31B4	
2. NAME OF OPERATOR: INTEGRATED WATER MANAGEMENT LLC	9. API NUMBER: 43013301980000	
3. ADDRESS OF OPERATOR: PO Box 816, Roosevelt, UT, 84066	PHONE NUMBER: 435-454-4646 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1257 FNL 1552 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 31 Township: 02.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/5/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

**Approved by the
 Utah Division of
 Oil, Gas and Mining**

Date: October 30, 2014

By: 

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) JT Martin	PHONE NUMBER 435 454-4646	TITLE Managing Director
SIGNATURE N/A		DATE 10/16/2014



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013301980000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Amend Plug #2: This plug shall be an inside/outside plug and moved downhole approximately 1000' to cover the base of the offsetting injection zone and the top of the Green River formation. RIH and perforate @ 5600'. Establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. If injection into the perfs cannot be established a 200' plug (± 40 sx) shall be balanced from $\pm 5650'$ to 5450'. If injection is established: RIH, set CICR @ 5550', M&P 80 sx cement, sting in to CICR, pump 50 sx, sting out and dump 30 sx on top.**
- 3. Add Plug #3: This plug shall be an inside/outside plug to cover the top of the offsetting injection zone and the surface casing shoe. RIH and perforate @ 4200'. Establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. If injection into the perfs cannot be established a 200' plug (± 40 sx) shall be balanced from $\pm 4250'$ to 4050'. If injection is established: RIH, set CICR @ 4200', M&P 70 sx cement, sting in to CICR, pump 40 sx, sting out and dump 30 sx on top.**
- 4. Add Plug #4: This plug shall be an inside/outside plug to cover the Base of Moderately Saline Groundwater. RIH and perforate @ 2650'. Establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. If injection into the perfs cannot be established a 200' plug (± 40 sx) shall be balanced from $\pm 2700'$ to 2500'. If injection is established: RIH, set CICR @ 2600', M&P 35 sx cement, sting in to CICR, pump 25 sx, sting out and dump 10 sx on top.**
- 5. Amend Plug #5: All annuli shall be cemented from a minimum depth of 100' to the surface. Perf. 7" & 9 5/8" @ 100' and circulate cement to surface (± 65 sx).**
- 6. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 7. Surface reclamation shall be done in accordance with R649-3-34 - Well Site Restoration.**
- 8. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 9. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (of c) or 801-733-0983 (home) prior to continuing with the procedure.**
- 10. All other requirements for notice and reporting in the Oil and Gas Conservation general rules shall apply.**

10/28/2014

Wellbore Diagram

r263

API Well No: 43-013-30198-00-00

Permit No:

Well Name/No: CHRISTMAN BLAND 1-31B4

Company Name: INTEGRATED WATER MANAGEMENT LLC

Location: Sec: 31 T: 2S R: 4W Spot: NWNE

Coordinates: X: 553119 Y: 4457684

Field Name: ALTAMONT

County Name: DUCHESNE

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	L/cu
HOL1	300	17.5			
COND	300	13.375 x 9 5/8" 26	(0.3765)	2.656	
HOL2	4519	12.25 x 9 5/8" w/10%	(0.4887)	2.0461	
SURF	4519	9.625 x 7" 36	(0.1668)	5.995	
HOL3	10052	8.75 x 7" w/10%	(0.2380)	4.2013	
PROD	10052	7	(0.2331)		
L1	12024	4.5			
L2	10350	2.875			
CIBP	9310				
CIBP	10322				

Cement Information

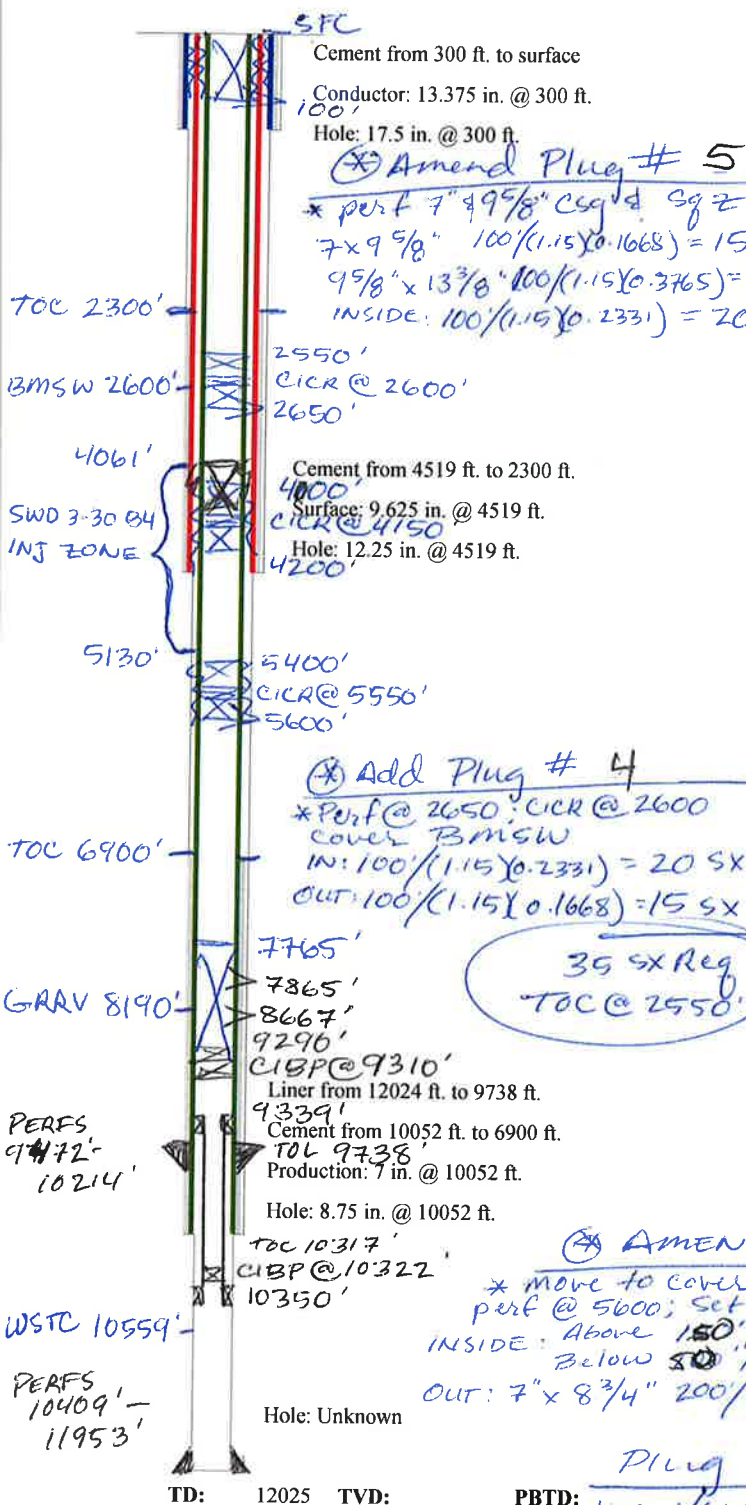
String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
CIBP	9310	9290		
CIBP	10322	10317		
COND	300	0	H	400
L1	12024		H	621
L2	10350		UK	45
PROD	10052	6900	H	465
SURF	4519	2300	H	625

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
10409	11545			
9472	10214			
7865	8677			
10805	11953			

Formation Information

Formation	Depth
BMSW	2600
GRRV	8190
WSTC	10559





Proposed P&A Procedure

Operator: Integrated Water Management
Lease: Christman Bland 1-31- B4
Location: Sec 31-2S-4W
Duchesne County, Utah

Surface Casing: 9 5/8" @ 4,519'
Long String: 7" @ 10,052'
Liner: 4 1/2" from 9,738' to 12,024'
Perfs: 7,865' – 8,677'
PBTD: CIBP @ 9,310'

Prior to MIRU, check rig anchors, and blow down the well
MIRU, NDWH, NUBOP
Check 9 5/8" x 7" annulus for pressure, if yes – call for orders
Pickup and RIH with 2 3/8" N80 T&D work string
Tag CIBP at 9,310'
Spot 300 sxs of 15.8# class G neat (300 sxs is 1,602' of cement in the 7" casing)
POH 500', reverse out with corrosion inhibitor treated produced water and WOC
RIH and tag cement, it must be at least 100' above the perfs, if not add cement
Pressure test casing, if it fails, call for orders
POH
RIH with wireline and perforate at 4,569'
RIH with tubing to 4,569', and spot 120 sxs of cement (120 sxs is 317'
in the 9 5/8" casing)
Displace 60 sxs of cement out of the perfs
POH and WOC
RIH and tag cement, if cement is not 100' above the shoe call for orders
POH to 100' and circulate cement to surface
Cut off wellhead
RIH in the 9 5/8" x 7" annulus with 1" tubing and circulate cement to surface
Weld a plate
RDMO

All cement is 15.8# class G neat.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: INTEGRATED WATER MANAGEMENT LLC		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: PO Box 816 , Roosevelt, UT, 84066		8. WELL NAME and NUMBER: CHRISTMAN BLAND 1-31B4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1257 FNL 1552 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 31 Township: 02.0S Range: 04.0W Meridian: U		9. API NUMBER: 43013301980000
PHONE NUMBER: 435-454-4646 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/14/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input checked="" type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Included documentation on attachment.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 04, 2015		
NAME (PLEASE PRINT) Diane Robinson	PHONE NUMBER 435 454-4646	TITLE Office Assistant
SIGNATURE N/A	DATE 3/4/2015	

02/04/2015

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

NATE ROBINSON
INTEGRATED WATER MANAGEMENT LLC
PO BOX 430
ALTAMONT, UT 84001

UTAH ACCOUNT NUMBER: N3685

REPORT PERIOD (MONTH/YEAR): 1 / 2015

AMENDED REPORT ☐ (Highlight Changes)

WELL NAME			Producing Zone	Well Status	Well Type	Days Oper	Production Volumes		
API Number	Entity	Location					OIL (BBL)	GAS (MCF)	WATER (BBL)
CHRISTMAN BLAND 1-31B4			GR-WS	p&A	OW		0	0	0
4301330198 04745 020S 040W									
TOTALS							0	0	0

COMMENTS : P&A Well completed 12-14-14

See Attached records, tests, measurements etc.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 2-20-15

Name and Signature:

Telephone Number: 435-454-4646

Sue Miller, Office Mngr.

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS

NATE ROBINSON
 INTEGRATED WATER MANAGEMENT LLC
 PO BOX 430
 ALTAMONT, UT 84001

UTAH ACCOUNT NUMBER: N3685REPORT PERIOD (MONTH/YEAR): 1 / 2015AMENDED REPORT ☐ (Highlight Changes)

ENTITY NUMBER	PRODUCT	GRAVITY	BEGINNING INVENTORY	VOLUME PRODUCED	DISPOSITIONS				ENDING INVENTORY
		BTU			TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	
04745	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								

TOTALS

0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---

COMMENTS :

P & A Well completed 12-14-14.
 See attached records, tests, measurements etc.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 2-20-15

Name and Signature:

Sue Miller
 Sue Miller, Office Mgr.

Telephone Number:

435-454-4646

2

Company Name: integrated water management
 AFE or Project #: _____
 Well Name: christman bland 1-31 4 B
 RIG #: 2
 Tool Pusher: gordon myers
 Operator: michael taylor
 Rig Hand: wayne robinette
 Rig Hand: william workman
 Rig Hand: caden blackett
 Rig Hand: drew hagerott
 Rig Hand: _____

Company Man: nate robinson
 Projected Days: _____
 Section: _____ Township: _____

Date: 12/5/2014
 Days on Well: 4
 Range: _____

Hours	Per-diem
	y
12	y
12	y
12	y
12	y
12	y

Tool Pusher Cell: 360-773-5408
 Company Man Cell: 4353155946



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
6am	7am	crew travel			
			7am	730am	start rig, chang out, safty meeting
			730am	830am	made up 6 1/8 bit, run in hole and tag plug
			830am	10am	rig up swivel
			10am	130pm	mill plug
			130pm	330pm	flow back well/pump
330pm	530pm	run in hole with bit			
530pm	6pm	crew travel			
finish tripping to bottom, pump cement			Comments:		

District Mangers Signature: _____

Company Name: integrated water management
 AFE or Project #: _____
 Well Name: christman bland 1-31 4 B
 RIG #: 2
 Tool Pusher: gordon myers
 Operator: michael taylor
 Rig Hand: wayne robinette
 Rig Hand: william workman
 Rig Hand: caden blackett
 Rig Hand: drew hagerott
 Rig Hand: _____

Company Man: nate robinson
 Projected Days: _____

Date: 12/6/2014
 Days on Well: 5
 Range: _____

Section: _____ Township: _____

Hours	Per-diem
	y
10.5	y
10.5	y
10.5	y
10.5	y
10.5	y

Tool Pusher Cell: 360-773-5408
 Company Man Cell: 4353155946



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig			
7am		trip in hole			
	10am				
10am	130pm	pump 370 bbls for bottoms up			
130pm	4pm	trip to derick to take bit off			
4pm	5pm	trip in the hole open ended			
finish tripping to bottom, pump cement			Comments:		

District Mangers Signature: _____

Company Name: integrated water management

AFE or Project #: _____

Well Name: christman bland 1-31 4 BRIG #: 2Tool Pusher: gordon myersOperator: Michael TaylorRig Hand: Wayne robinetteRig Hand: william workmanRig Hand: caden blackettRig Hand: drew hagerott

Rig Hand: _____

Company Man: Nate Robinson

Projected Days: _____

Section: _____ Township: _____

Date: 12/8/2014Days on Well: 6

Range: _____

Hours	Per-diem
	y
10	y
10	y
10	y
10	y
10	y

Tool Pusher Cell: 360-773-5408Company Man Cell: 4353155946

Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig			
7am	830am	trip in hole to and tag cement at 8370			
830am	10am	pump 150 sx of 15.8 pound cement			
10am	1030am	pull 24 stands, reverse out to make sure tubing is clear			
1030am	2pm	wait for cement to dry, clean rig,			
2pm	3pm	attempt to tag cement, still wet.			
3pm	4pm	reverse circulate, get ready for tomorrow			
4pm	430pm	crew travel			
tag cement, trip out od hole, wire line perfs, trip in retainer			Comments:		

District Mangers Signature: _____

Company Name: integrated water management
 AFE or Project #: _____
 Well Name: christman bland 1-31 4 B
 RIG #: 2
 Tool Pusher: gordon myers
 Operator: Michael Taylor
 Rig Hand: Wayne robinette
 Rig Hand: william workman
 Rig Hand: caden blackett
 Rig Hand: drew hagerott
 Rig Hand: _____

Company Man: Nate Robinson
 Projected Days: _____

Date: 12/9/2014
 Days on Well: 7
 Range: _____

Section: _____ Township: _____

Hours Per-diem

	y
11.5	y
11.5	y
11.5	y
11.5	y
11.5	y

Tool Pusher Cell: 360-773-5408
 Company Man Cell: 4353155946



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig			
7am	830am	trip in hole to and tag cement at 7855, 90 feet to low			
830am	11am	trip out of the hole cuz wire line was already ordered			
11am	12am	wire line guns at 5600			
12pm	2pm	trip in hole to to pump cement to get cement top to 7765			
2pm	330pm	pump 30 sx of cement			
330pm	530pm	trip to 2500ft, hot oiler set up in the am. Must hot oil befor we run			
		cicr due to parifin			
530pm	6pm	crew travel			
hot oil well clean, trip in cicr to 5550, cement			Comments:		

District Mangers Signature: _____

Company Name: integrated water management
AFE or Project #: _____
Well Name: christman bland 1-31 4 B
RIG #: 2
Tool Pusher: gordon myers
Operator: Michael Taylor
Rig Hand: Wayne robinette
Rig Hand: william workman
Rig Hand: caden blackett
Rig Hand: drew hagerott
Rig Hand: _____

Company Man: Nate Robinson
Projected Days: _____

Date: 12/10/2014
Days on Well: 8
Range: _____

Section: _____ **Township:** _____

Hours	Per-diem
	y
9	y
9	y
9	y
9	y
9	y

Tool Pusher Cell: 360-773-5408
Company Man Cell: 4353155946



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig			
7am	9am	hot oil well			
9am	10am	trip out of hole			
10am	12pm	got retanier suck in well head, attempted to free up			
12pm	3pm	rig bop back up, rig up floor, get readt for swivel			
3pm	330pm	crew travel			
rig up svivel and 6in drill collars, mill on retainer			Comments:		

District Mangers Signature: _____

Company Name: integrated water management
AFE or Project #: _____
Well Name: christman bland 1-31 4 B
RIG #: 2
Tool Pusher: gordon myers
Operator: Michael Taylor
Rig Hand: Wayne robinette
Rig Hand: william workman
Rig Hand: caden blackett
Rig Hand: drew hagerott
Rig Hand: _____

Company Man: Nate Robinson
Projected Days: _____

Date: 12/11/2014
Days on Well: 9
Range: _____

Section: _____ **Township:** _____

Hours	Per-diem
	y
10.5	y
10.5	y
10.5	y
10.5	y
10.5	y

Tool Pusher Cell: 360-773-5408
Company Man Cell: 4353155946



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig			
7am	830am	rig up swivel, make up tools			
830am	11am	mill cicr,			
11am	2pm	chase cicr foe 30 joints with swivel			
2pm	330pm	trip in hole to 5700			
330pm	430pm	trip out of hole to 2500ft			
430pm	5pm	rig down swivel			
hot oil well, trip out of hole. Run cement retainer			Comments:		

District Mangers Signature: _____

Rig Hand:

Company Man Cell: 4353155946

Range:

District Mangers Signature: _____

Company Name: integrated water management

AFE or Project #: _____

Well Name: christman bland 1-31 4 BRIG #: 2Tool Pusher: gordon myersOperator: Michael TaylorRig Hand: mauro valadezRig Hand: william workmanRig Hand: daniel armandoRig Hand: drew hagerott

Rig Hand: _____

Company Man: Nate Robinson

Projected Days: _____

Section: _____ Township: _____

Date: 12/13/2014Days on Well: 11

Range: _____

Hours	Per-diem
	y
12	y
13	y
12	y
13	y
12	y

Tool Pusher Cell: 360-773-5408Company Man Cell: 4353155946

Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig			
7am	9am	run cement retainer to 4146			
9am	10am	pump cement			
10am	1030am	trip out to 2700			
1030am	11am	hot oil up the 9 5/8, 80 bbls			
11am	1230pm	trip out of hole			
1230pm	230pm	pick up cicr and trip in hole to 2540			
230pm	330pm	pump cement			
330pm	430pm	trip out of hole			
430pm	6pm	rig down rig, and clean location			
6pm	630pm	crew travel			
pump service plug, rig down pump			Comments:		

District Mangers Signature: _____

Company Name: integrated water management
 AFE or Project #: _____
 Well Name: christman bland 1-31 4 B
 RIG #: 2
 Tool Pusher: gordon myers
 Operator: Michael Taylor
 Rig Hand: _____
 Rig Hand: william workman
 Rig Hand: _____
 Rig Hand: drew hagerott
 Rig Hand: _____

Company Man: Nate Robinson
 Projected Days: _____
 Section: _____ Township: _____

Date: 12/14/2014
 Days on Well: 12
 Range: _____

Hours	Per-diem
	y
11.5	y
11.5	y
11.5	y

Tool Pusher Cell: 360-773-5408
 Company Man Cell: 4353155946



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
630am	7am	crew travel,			
7am	830am	hot oil well down the 9 5/8 up the 7in			
830am	930am	pump 100ft surface plug			
930am	1030am	rig down pump, clean location			
1030am	12pm	dig out well head,			
12pm	6pm	crew travel back to north dakota			
equipment is on side of location, well is dug out and ready to be cut. Different well head with cement all around base. I was Unsure of the best way to cut it off or if I needed to remove all of the cement to get to required depth to cut off, not sure if in bid scope. jorge will have to take a look at in when he comes to pick up his equipment			Comments:		

District Mangers Signature: _____